2004 Water Quality Assessment (Final) - Category 5 Listings

WRIA	Listing ID Cate	gory	98 List?	Waterbody Name	Location Ir	nformatio	n				Parameter		Medium
				Basis								Remarks	
1	6229	5	Υ	ANDERSON CREEK	MU69PG	1.252	39N	04E	19		Fine Sedime	ent	Water
				The following references document habitat alterations: Schuett-Hames, 1984a, 29.1% in 1983 Schuett-Hames, 1988b, 20.4% mean value between 1983-1985 The following reference documents impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b									
1	36852	5	Υ	ANDERSON CREEK	MU69PG	7.277	38N	04E	06		Temperature	•	Water
				Lummi Nation unpublished data at station LNT-2492 (submitted by Sue Blake of Whatcom C maximum values of 19.3 degrees C from continuous measurements collected in 1996.	County on 1	7 Decem	ber 200)2) sho	ws a	7-day mean of	daily		
1	7053	5	Υ	ANDERSON DITCH	WO95OB	9.709	39N	02E	36		Dissolved of	xygen	Water
				Western Washington University (1993), 9 excursions beyond the criterion out of 55 samples	(16 %) bet	tween 7/9	1 and	5/93 at	Site	12 (RM 2.0).			
1	7055	5	Υ	ANDERSON DITCH	WO95OB	7.267	39N	02E	35		Dissolved of	xygen	Water
				Western Washington University (1993), 34 excursions beyond the criterion out of 55 samples	s (62%) bet	ween 7/9	1 and 5	5/93 at	Site 7	7 (RM 0.5).			
1	38983	5	N	AUSTIN CREEK	MH83NF	1.185	37N	04E	08		Dissolved of	xygen	Water
				Western Washington University data from station COB-CW7 (submitted by Sue Blake of What criterion from measurements collected in 1994, 1996, and 1999.	atcom Cour	nty on 17	Decem	ber 20	02) s	how excursions	beyond the		
1	38950	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24		Dissolved of	xygen	Water
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom Count measurements collected in 1990, 1994, 1995, and 1996.	ty on 17 Dec	cember 2	002) sh	now ex	cursio	ons beyond the	criterion from		

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1 39037 5 N BAKER CREEK

VI82QQ 0.114 38N 02E 13 Fecal Coliform

Water

City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 465 cfu/100mL from 9 samples collected in 1994.

City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 263 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 229 cfu/100mL from 10 samples collected in 1992.

1 39038 5 N BAKER CREEK

VI82QQ 0 38N 02E 24

Fecal Coliform

Water

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 118 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 234 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 826 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 67 cfu/100mL from 4 samples collected in 1998.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 183 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 75 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 193 cfu/100mL from 11 samples collected in 1994.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 281 cfu/100mL from 12 samples collected in 1992.

1 41331 5 N BAKER CREEK

VI82QQ 1.184 38N 03E 18

Pentachlorophenol

Water

Anderson, P., Roose, M., (2004), station SQ4 shows that 2 of 2 samples exceed the criterion.

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WRIA Listing ID Category 98 List	Waterbody Name Basis	Location Information		Parameter	Medium Remarks
1 41773 5 N	BAKER CREEK Anderson, P., Roose, M., (2004), station SQ2 shows that 3 of 3 samples collected in years	VI82QQ 0 38N 2002 and 2003 exceeded the		Zinc	Water
1 41775 5 N	BAKER CREEK Anderson, P., Roose, M., (2004), station SQ4 shows that 3 of 3 samples collected in years		03E 18 e chronic criterion.	Zinc	Water
1 5840 5 Y DO to	BEAR CREEK City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whoriterion from measurements collected in 2000. Western Washington University (1993), 6 excursions beyond the criterion out of 30 sample 01.0146 at RM 0.3).	hatcom County on 17 Decem	,	·	Changed on 7/21/05 from SILVER CREEK to BEAR CREEK based on Silver Creek Monitoring Project Final Reportkk Renamed from "UNNAMED CREEK WDW# 01.0146" to SILVER CREEK 12/14/04kk During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues be impaired. (Braley, ECY/WQP, 2003)
1 7132 5 Y WDF#01.0146 1 5830 5 Y WDF#01.0146	BEAR CREEK Western Washington University (1993), 18 excursions beyond the criterion out of 55 sample BEAR CREEK Western Washington University (1993), 15 excursions beyond the upper criterion between	les (33%) between 7/91 and 5	02E 03	Dissolved o	Changed on 7/21/05 from UNNAMED CREEK to BEAR CREEK based on Silver Creek Monitoring Project Final Reportkk

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WRIA	WRIA Listing ID Category 98 List		98 List?	Waterbody Name Basis	Location Ir	nformation				Parameter	Medium Remarks
1 WDF#01	5841 .0146	5	Y	BEAR CREEK City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of What cfu/100mL from 1 samples collected in 2001. City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of What 313 cfu/100mL from 2 samples collected in 2000. Western Washington University (1993), 6 excursions beyond the upper criterion between 7/5	itcom Count	y on 17 De	ecembe	er 2002)) shows a geometri	c mean of	
1 WDF#01 0.473	5842 .0146	5	Y	BEAR CREEK Western Washington University (1993), 7 excursions beyond the criterion between 9/92 and	PI87SF 5/93 at Site			02E (-	Fecal Colifor	Changed on 7/21/05 from UNNAMED CREEK to BEAR CREEK and WASWIS changed from XS91YS to PI87SF 0.744 based on Silver Creek Monitoring Project Final Reportkk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	35242	5	N	BELLS CREEK Lummi Nation unpublished data at station LNT-2483 (submitted by Sue Blake of Whatcom C maximum values of 17.5 degrees C from continuous measurements collected in 1996.	KV50NU County on 1					Temperature daily	e Water
1	8629	5	Y	BERTRAND CREEK Dickes, 1992, 2 excursions beyond the criterion at station B8E on 3/10/92 and 3/17/92.	MI36KN	7.851	40N	03E (07	Ammonia-N	Water
1	42447	5	N	BERTRAND CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BH scriterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.	VL90RG shows the fo					Fecal Coliford the percentile	
1	42448	5	N	BERTRAND CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BJB percentile criterion in 2002; 3 of 15 samples (20.0%) exceeded the percentile criterion in 2002 2004 exceeded the criterion.		ollowing: 6	6 of 19		es (31.6%) exceede		rm Water

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WR	IA Lis	sting ID Categ	ory 9	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	N	1edium
					Basis							Remarks	
	1 3	39044	5	N	BLACK SLOUGH	GK86AU	2.012	38N	05E	20	Fecal Colifo	rm W	Vater
					Whatcom Conservation District unpublished data from station ACME-16 (submitted by Sue Imean of 159 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 2	ınpublished	data fro	m statio	n ACN				
					Northwest Indian College unpublished data from station NWIC-BSN (submitted by Sue Blakemean of 77 cfu/100mL from 16 samples collected in 1999.	e of Whatco	m Coun	ty on 17	Dece	mber 2002) shows a	geometric		
	1 3	39045	5	N	BLACK SLOUGH	GK86AU	3.816	38N	05E	29	Fecal Colifor	rm W	V ater
					Whatcom Conservation District unpublished data from station ACME-15 (submitted by Sue Imean of 216 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District Whatcom County on 17 December 2002) shows a geometric mean of 1739 cfu/100mL from	ınpublished	data fro	m statio	n ACN				
					Northwest Indian College unpublished data from station NWIC-BSH (submitted by Sue Blakemean of 128 cfu/100mL from 16 samples collected in 1999.	e of Whatco	m Coun	ty on 17	Dece	mber 2002) shows a	geometric		
	1 3	39264	5	N	BLACK SLOUGH	GK86AU	2.012	38N	05E	20	рН	W	Vater
					Nooksack Indian Tribe unpublished data from station Nooksack-6 (submitted by Sue Blake of beyond the criterion from 17 measurements collected in 1995-1997.	of Whatcom	County	on 17 D	eceml	ber 2002) show 5 e	xcursions	Low pH	
	1 3	39060	5	N	CALIFORNIA CREEK	TW03VG	5.502	40N	01E	27	Fecal Colifor	rm W	Vater
					Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station C3 scriterion in 2002; 2 of 15 samples (13.3%) exceeded the percentile criterion in 2003.	shows the fo	ollowing:	4 of 23	samp	oles (17.4%) exceede	ed the percentile	•	
					Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of 180 cfu/100mL from 36 samples collected in 1999.	of Whatcom	County	on 17 E	Decem	ber 2002) shows a g	eometric mean		
					Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of 56 cfu/100mL from 4 samples collected in 1998.	of Whatcom	County	on 17 E	Decem	ber 2002) shows a g	eometric mean		
	1	7063	5	Υ	CANYON CREEK	CT23WH	0	40N	06E	35	Temperature	e W	V ater
					Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0035 (Lower occurences in which the 7-day mean of daily maximum value exceeded the temperature crit 17.85 degrees Celcius for the 7-day period ending August 2, 2003.							results reported as sir	ngle day maximums. Category 5 listin 8 assessment based on multiple

Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96.

Lummi Nation unpublished data at station LNT-2482 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.7 degrees C from continuous measurements collected in 1996.

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Category 5 listing

excursions from continuous monitoring.

W	/RIA I	isting ID Cate	egory	98 List?	Waterbody Name	Location	Information	on			Parameter	Medium
					Basis							Remarks
	1	7062	5	Υ	CANYON LAKE CREEK	ND81CH	0.264	39N	05E	27	Temperature	e Water
					Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0005 (Canyon occurences in which the 7-day mean of daily maximum value exceeded the temperature critical 21.14 °Celcius for the 7-day period ending August 3, 2003.							01/20/05kk
					U.S.Geological Survey data from NWIS database station 12208500 (Canyon Cr at Kulshan) between 01/93 - 10/00.	shows 0 ex	xcursions	s beyond	the cri	terion out of 1 samp	oles collected	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
					Nooksack Indian Tribe unpublished data from station Nooksack-12 (Canyon Lake Creek at N 17 December 2002 shows excursions beyond the criterion from measurements collected in		ake Road	l) submit	ted by	Sue Blake of Whato	com County on	3
					Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show	w 31 excurs	sions bey	ond the	criterio	on between 7/27/92	and 9/4/92.	
	1	7064	5	Υ	CAVANAUGH CREEK	NS88FJ	0.536	36N	05E	01	Temperature	e Water
					Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deathe criterion in 7/96.	ardorf on 10	0/29/97) :	show tha	at 10%	of the measuremen	ts exceeded	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
	1	42112	5	N	CAVANAUGH CREEK	NS88FJ	0	37N	05E	35	Temperature	e Water
					Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0120 (Cavana occurences in which the 7-day mean of daily maximum value exceeded the temperature crite 16.19 °Celcius for the 7-day period ending August 2, 2003.							
	1	38957	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Dissolved o	xygen Water
					City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom Coun from measurements collected in 2001.	ty on 17 De	ecember	2002) sł	now no	excursions beyond	the criterion	

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1992, 1993, 1994, 1995, 1996 and 1997.

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Water

Fecal Coliform

CEMETERY CREEK 39061 5 Ν

38N 03E 29 City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 23 cfu/100mL

from 1 samples collected in 2001.

KL00LG 0

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 690 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 158 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 6 samples collected in 1997.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 179 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 310 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 10 samples collected in 1992.

Serdar et al. (1999) station LWHCEMCR (CEMETERY CREEK) shows the geometric mean of 6797 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.

CEMETERY CREEK 39178 5 Ν

KL00LG 0 38N 03E 29 Water

City of Bellingham data from station COB-CEM3 (Cemetery Creek at Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1996 and 1998.

City of Bellingham data from station COB-CEM1 (Cemetery Creek Near Haskell Business Park) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2001.

Serdar (1994) station LWHCEMCR (CEMETERY CREEK) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.

38959 5 Ν CHUCKANUT CREEK

PB98VA 0 37N 02E 13

Dissolved oxygen

Temperature

Water

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996.

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CHUCKANUT CREEK

PB98VA 0.748 37N 03E 18

Fecal Coliform

Water

City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 163 cfu/100mL from 9 samples collected in 1994.

City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 11 samples collected in 1993.

1 39065 5 N CHUCKANUT CREEK

Ν

5

39064

PB98VA 0 37N 02E 13

Fecal Coliform

Water

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 4 samples collected in 1998.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 259 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 184 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 122 cfu/100mL from 12 samples collected in 1992.

City of Bellingham data from station COB-CHU3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 71 cfu/100mL from 3 samples collected in 1993.

1 6606 5 Y CLEARBROOK CREEK

CT99ZQ 0 40N 04E 05

Fecal Coliform

Water

Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station CB (at Clearbrook Ditch RM 0.2) in 1988 and 1989.

Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name	Location I	nformatio	n		Parameter	Medium
				Basis					Remarks	
1	6634	5	Y	CLEARBROOK CREEK Dickes, 1992. 4 excursions beyond the criterion collected at a station on Clearbrook Ditch, v	CT99ZQ West of Noo	0.126 oksack Ro	40N bad in 1	 08	Fecal Coliform	Water
1	38960	5	N	CONNELLY CREEK City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom Cour	II81TD	0.302	37N		Dissolved oxygen	Water

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996 and 2000.

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0.302 37N 03E 06

Fecal Coliform

Water

II81TD

City of Bellingham data from station COB-CON4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 200 cfu/100mL from 1 samples collected in 1992.

Ν

5

39068

CONNELLY CREEK

City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 788 cfu/100mL from 9 samples collected in 1994.

City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 1 samples collected in 1992.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 312 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 81 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 132 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 701 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 745 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 11 samples collected in 1992.

City of Bellingham data from station COB-CON8 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 758 cfu/100mL from 9 samples collected in 1994.

City of Bellingham data from station COB-CON9 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1378 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-CON10 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1667 cfu/100mL from 12 samples collected in 1993.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
1	39181	5	N	CONNELLY CREEK City of Bellingham data from station COB-CON6 (Connely Creek Donovan) submitted by Sue excursions beyond the criterion from measurements collected in 1996, 1997, and 1998.	II81TD Blake of V	0.302 Vhatcom				Temperature ows	e Water
1	7066	5	Y	CORNELL CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0040 (Cornell occurences in which the 7-day mean of daily maximum value exceeded the temperature crite 18.75 °Celcius for the 7-day period ending August 2, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-18 (Cornell Creek at Mount E on 17 December 2002 shows excursions beyond the criterion from measurements collected in Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show	rion for this Baker Highv n 1996.	ws between waterbook	een 6/2 ody; the ge) sub	maxim mitted	and 9/8/2003 there would be supported by Sue Blake of What	his year was	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
1 criteria.	39077	5	N	DAKOTA (REBEL) CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DG spercentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of 131 cfu/100mL from 37 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of 131 cfu/100mL from 37 samples collected in 1999.	of Whatcom	ollowing:	4 of 19	Decem	oles (21.1%) exceede	eometric mean	Changed from Category 1 to Category 5 due to consolidation with Listing ID 42453 on 01/10/05kk Per 2002 calendar year NWIC data provided by S Hood (BFO/ECY) Geometric Mean and 90th percentile meet
1	8622	5	Y	of 78 cfu/100mL from 3 samples collected in 1998.	DR81WH	2.682		02E	, 3	Ammonia-N	Water Reference is not in the administrative record. The water segment was listed as Category 5 based on the 1998 assessment.
1	42454	5	N	DEER CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DRC samples collected in 2002 exceeded the criterion, and 10 of 21 samples (47.6%) exceeded t percentile criterion in 2003; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004.	he percenti	following	g: a ge		c mean of 108.6 cfu/1		rm Water
1	7071	5	Y	DEER CREEK Tetra Tech, 1989., 3 excursions beyond the criterion out of 10 samples (30%) in 1988 and	DR81WH 1989 at sta			02E r Lake		рН	Water Low pH
1	7074	5	Y	DEER CREEK Tetra Tech, 1989., 6 excursions beyond the criterion out of 10 samples (60%) in 1988 and	DR81WH 1989 at sta			02E ch Road		рН	Water Low pH

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Basis

Ν **DRAYTON HARBOR** 39048 5

390KRD 48122J7J5 48.995 122.755 **Fecal Coliform** Water

Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 126 cfu/100mL from 4 samples collected in 1997.

Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 12 samples collected in 1998.

Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 16 samples collected in 1999.

Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 6 samples collected in 1997.

Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 106 cfu/100mL from 22 samples collected in 1998.

Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 47 cfu/100mL from 24 samples collected in 1999.

Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 4 samples collected in 1997.

Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 26 cfu/100mL from 12 samples collected in 1998.

Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 16 samples collected in 1999.

Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 19 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 48 cfu/100mL from 3 samples collected in 1997.

Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 46 cfu/100mL from 10 samples collected in 1998.

Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 14 samples collected in 1999.

Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 12 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 3 samples collected in 1997.

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Basis Remarks

Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 10 samples collected in 1998.

Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 14 samples collected in 1999.

Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 43 cfu/100mL from 2 samples collected in 2000.

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39052

5

Ν **DRAYTON HARBOR** 390KRD 48122J7J6 48.995 122,765 **Fecal Coliform** Water

Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 143 cfu/100mL from 22 samples collected in 1998.

Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 6 samples collected in 1997.

Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 120 cfu/100mL from 24 samples collected in 1999.

Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 79 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 6 samples collected in 1997.

Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.

Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 24 samples collected in 1999.

Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 86 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 97 cfu/100mL from 6 samples collected in 1997.

Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 22 samples collected in 1998.

Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 124 cfu/100mL from 24 samples collected in 1999.

Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 63 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 156 cfu/100mL from 6 samples collected in 1997.

Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.

Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 90 cfu/100mL from 24 samples collected in 1999.

Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 2 samples collected in 2000.

Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 12 samples collected in 1999.

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WRIA	Listing ID Car	egory	98 List?	Waterbody Name Basis Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatco cfu/100mL from 2 samples collected in 2000.	Location I			2002) :	shows a geometric i	Parameter mean of 51	Remarks	Medium
1	35238	5	N	EDFRO CREEK Lummi Nation unpublished data at station LNT-2478 (submitted by Sue Blake of Whatcom Comaximum values of 16.2 degrees C from continuous measurements collected in 1996.	MQ30LJ County on 2	_	-			Temperatur f daily	9	Water
1	9101	5	N	FEVER CREEK Serdar, et al. 1999. Station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions be Serdar, et al. 1999. Show 2 excursions beyond the chronic criterion out of 3 samples collected MOUTH) in 1998.			ut of 2 s	ample	s collected between			Water
1	38963	5	N	FEVER CREEK City of Bellingham unpublished data from station COB-FEV1 (submitted by Sue Blake of Whoriterion from measurements collected in 1994 and 1995 and 1996.	HI36SL natcom Cou	1.905 nty on 17	38N Decem			Dissolved o ns beyond the	xygen	Water
1	38964	5	N	FEVER CREEK City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom Count measurements collected in 1994, 1995, 1996, and 1998.	HI36SL ty on 17 De	0 cember 2			_	Dissolved o	xygen	Water
1	39089	5	N	FEVER CREEK City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom Count cfu/100mL from 6 samples collected in 1996. City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom Count cfu/100mL from 11 samples collected in 1995.	,		,	ows a	geometric mean of		rm	Water

City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 8 samples collected in 1994.

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City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 123 cfu/100mL from 11 samples collected in 1995.

City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 361 cfu/100mL from 9 samples collected in 1994.

Serdar et al. (1999) station LWHFEVR1 (FEVER CREEK CULVERT) shows the geometric mean of 5492 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.

FEVER CREEK 12961 5 Ν

38N Serdar, et al. 1999. show no excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS

AT MOUTH) in 1998. Discharge monitoring data collected by Brooks Lumber Company (submitted by Steve Hood, BFO, on 13 December 2002) show 26 excursions beyond the criterion from 26 samples collected in 2001.

HI36SL

HI36SL

0

39185 5 Ν FEVER CREEK 1

City of Bellingham unpublished data from station COB-FEV2 (Fever Creek at Valencia) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1994, 1997, and 1998.

38N 03E 29

03E 29

Pentachlorophenol

Temperature

Water

Water

Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.

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WRIA	Listing II	D Category	/ 98 List	Waterbody Name Basis	Location I	nformatio	on			Parameter	Medium Remarks
1	9100	6 5	N	FEVER CREEK Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions be 01/99.	HI36SL eyond the ci	0 riterion o		03E amples	_	Zinc 06/98 -	Water
				Serdar, et al. 1999. show 3 excursions beyond the chronic criterion out of 3 samples collect MOUTH) in 1998.	ted at statio	n LWHF	EVR1 (FEVER	CREEK CULVERT	TERMINUS A	г
1	3781 ⁻	1 5	N	FISHTRAP CREEK	RN53NC	1.836	40N	02E	25	Temperature	e Water
				U.S. Geologial Survey unpublished data at station 12212100 (submitted by Sue Blake of WI maximum values of 18.03 degrees C from continuous measurements collected in 1996. U.S by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maccollected in 1997.	. Geologial	Survey u	ınpublis	hed da	ta at station 1221210	00 (submitted	
				U.S.Geological Survey data from NWIS database station 12212100 (Fishtrap Cr at Flynn rd samples collected between 01/93 - 10/00.	at Lynden)	shows 1	excursi	ons be	yond the criterion ou	it of 44	
1	707	7 5	Υ	GALLOP CREEK	EO08VO	0	39N	07E	06	Temperature	e Water
				Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) sho	w 26 excurs	sions bey	ond the	criterio	on between 7/30/92 :	and 8/30/92.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
1	3781	5 5	N	HARDSCRABBLE CREEK	NQ44RI	0.738	38N	04E	25	Temperature	e Water
				Whatcom Conservation District unpublished data at station ACME-C (submitted by Sue Blat of daily maximum values of 18.3 degrees C from continuous measurements collected in 1990).		om Coun	nty on 1	7 Dece	ember 2002) shows a	a 7-day mean	
1	7079	9 5	Υ	HOFF CREEK	CN61ZA	0	39N	04E	22	Temperature	e Water
				Caldwell, et al. 1991, Numerous excursions beyond the criterion at 4 different locations in 19	990.						The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.
1	6233	3 5	Υ	HOWARD CREEK	AN73PN	0	36N	06E	13	Fine Sedime	ent Water
				The following reference documents habitat alterations: Schuett-Hames, 1988b, mean value of 15.24% in 1984							

Schuett-Hames, 1988b, mean value of 15.24% in 1984
The following references document impairment of characteristic uses:
Doughty, 1987, documented decline in Chinook stock
The following references document human-caused contribution of sediment:
Benda, 1993
Gowen, 1989
PEAK NW, 1986a
PEAK NW, 1986b.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nforma	ation				Parameter	Medium
				Basis								Remarks
1	7080	5	Υ	HOWARD CREEK	AN73PN	0	36N	06E	Ξ	13	Temperature	e Water
				Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deathe criterion in 7/96.	ardorf on 10)/29/97	7) show t	nat 149	% o	of the measurements	s exceeded	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple
				Lummi Nation unpublished data at station LNT-2477 (submitted by Sue Blake of Whatcom C maximum values of 17.6 degrees C from continuous measurements collected in 1996.	ounty on 1	7 Dec	ember 20	002) sh	how	vs a 7-day mean of o	daily	excursions from continuous monitoring.
1	7091	5	Υ	KAMM (STICKNEY) SLOUGH	LS95QH	1.09	6 40N	03E	Ξ	21	Dissolved or	xygen Water
				Tetra Tech, 1989, 6 excursions beyond the criterion at RM 0.6 between 10/88 and 9/89.; Ma Mathews, et al. 1995, 20 excursions at Site 25 (RM 0.6) in 1995.;	ithews, et a	ıl. 1994	4, 20 exc	ursion	s at	t Site 25 (RM 0.6) in	1994.;	
1	7107	5	Υ	KAMM (STICKNEY) SLOUGH	LS95QH	3.19	5 40N	03E	Ξ	22	Dissolved or	xygen Water
STICKN	EV			Mathews, et al. 1995, 17 excursions at Northwood Road (RM 0.5) in 1995.								Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is
STICKN	LI			Mathews, et al. 1994, 19 excursions at Northwood Road (RM 0.5) in 1994.								SLOUGHkk
				U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman dito samples collected between 01/93 - 10/00.	ch) at Lynde	en) sho	ows 1 ex	cursior	ns b	peyond the criterion	out of 1	
				Western Washington University unpublished data from station WWU-27 (submitted by Sue B beyond the criterion from measurements collected in 1993-1998.	slake of Wh	atcom	County	on 17 [Dec	cember 2002) show	excursions	
				Tetra Tech, 1989, 10 excursions beyond the criterion at RM 0.5 between 11/88 and 9/89.								
1	7092	5	Υ	KAMM (STICKNEY) SLOUGH	LS95QH	1.09	6 40N	03E	Ξ	21	рН	Water
				Mathews, et al. 1995, 16 excursions out of 26 samples (61%) beyond the criterion at Site 25	(RM 0.6) ir	1995.	.;					Low pH
1	7108	5	Υ	KAMM (STICKNEY) SLOUGH	LS95QH	3.19	5 40N	03E	Ξ	22	рН	Water
STICKN	FV			U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman dita samples collected between $01/93 - 10/00$.	ch) at Lynde	en) sho	ows 1 ex	cursior	ns b	peyond the criterion	out of 1	Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is
STICKIN	L!			Western Weshington University unpublished data from atotics WW/L 27 (submitted by Cup P	Ualco of M/b	ataam	Country	an 17 [Doo	aamhar 2002) ahaw	F0	SLOUGHkk
				Western Washington University unpublished data from station WWU-27 (submitted by Sue B excursions beyond the criterion from 123 measurements collected in 1993-1998.	oiake of Wh	accom	County) 1 / L	Dec	cember 2002) show	5 3	Low pH

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Mathews, et al. 1996, 21 excursions out of 26 samples (81%) beyond the criterion at Northwood Road (RM 0.5) in 1994.

WRIA	A Listing	ID Cate	egory	98 List?	Waterbody Name	Location I	nformati	on			Parameter		Medium
					Basis							Remarks	
1	710	04	5	Υ	KAMM CREEK	AC76JK	0.46	40N	03E	15	Dissolved o	xygen	Water
					Western Washington University unpublished data from station WWU-23 (submitted by Sue Ebeyond the criterion from measurements collected in 1993-1998.	Blake of Wh	atcom C	County o	n 17 De	ecember 2002) shov	v excursions		ne change from KAMM (STICKNEY) // CREEK 01/24/05kk
					Western Washington University unpublished data from station WWU-24 (submitted by Sue Ebeyond the criterion from measurements collected in 1994-1998.	Blake of Wh	natcom C	County o	n 17 De	ecember 2002) shov	v excursions	Policy 1-11 (update	ment of data it was determined that WQ ed 9/03) was overly restrictive for the f data excursions needed to list for D.O.
					Mathews, et al. 1995, 15 excursions out of 26 samples (58%) beyond the criterion at Site 24	(RM 2.5) ir	า 1995.					impairments . Bas	ed on a review of monitoring studies for as determined that multiple (3 or more)
to					Mathews, et al. 1994, 10 excursions out of 22 samples (45%) beyond the criterion at Site 24	(RM 2.5) ir	า 1994.					excursions for at le	east two years of monitoring should be tive indicator that a waterbody continues
to					Mathews, et al. 1995, 4 excursions out of 26 samples (15%) beyond the criterion at Site 23 (RM 3.1) in	1995.					be impaired. (Brale	ey, ECY/WQP, 2003)
					Mathews, et al. 1994, 9 excursions out of 22 samples (41%) beyond the criterion at Site 23 (RM 3.1) in	1994.						
1	3897	75	5	N	KAMM CREEK	AC76JK	2.59	40N	03E	14	Dissolved o	xygen	Water
					Western Washington University unpublished data from station WWU-26 (submitted by Sue Ebeyond the criterion from measurements collected in 1994-1997.	Blake of Wh	atcom C	County o	n 17 De	ecember 2002) shov	v excursions		
1	3897	78	5	N	KAMM CREEK	LS95QH	0.09	40N	03E	20	Dissolved o	xygen	Water
					Western Washington University unpublished data from station WWU-25 (submitted by Sue Ebeyond the criterion from measurements collected in 1993-1998.	Blake of Wh	atcom C	County o	n 17 De	ecember 2002) sho	ow excursions		
1	709	98	5	Y	KAMM CREEK	AC76JK	0.46	40N	03E	15	рН		Water
					Western Washington University unpublished data from station WWU-24 (submitted by Sue Excursions beyond the criterion from 104 measurements collected in 1993-1998.	Blake of Wh	atcom C	County o	n 17 De	ecember 2002) shov	v 37		ne change from KAMM (STICKNEY) // CREEK 01/24/05kk
					Western Washington University unpublished data from station WWU-23 (submitted by Sue Excursions beyond the criterion from 124 measurements collected in 1993-1998.	Blake of Wh	natcom C	County o	n 17 De	ecember 2002) shov	v 46	Low pH	
					Mathews, et al. 1995, 18 excursions out of 26 samples (69%) beyond the criterion at Site 23	(RM 3.1) ir	n 1995.						
					Mathews, et al. 1994, 5 excursions out of 22 samples (23%) beyond the criterion at Site 24 (RM 2.5) in	1994.						
					Mathews, et al. 1995, 17 excursions out of 26 samples (65%) beyond the criterion at Site 24	(RM 2.5) ir	า 1995.						
					U.S.Geological Survey data from NWIS database station 12211390 (Kamm (Stickney) Slougout of 1 samples collected between 01/93 - 10/00.	ıh @ Kamn	n rd. nr L	ynden) :	shows	0 excursions beyond	d the criterion		
1	3928	82	5	N	KAMM CREEK	AC76JK	2.59	40N	03E	14	рН		Water
					Western Washington University unpublished data from station WWU-26 (submitted by Sue Excursions beyond the criterion from 105 measurements collected in 1993-1998.			_			•	Low pH	

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W	'RIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Remarks	Medium
	1	39285	5	N	KAMM CREEK Western Washington University unpublished data from station WWU-25 (submitted by Sue Bexcursions beyond the criterion from 123 measurements collected in 1993-1998.	LS95QH Blake of Wha	0.09 atcom Co	40N ounty or	03E 17 De	_	pH w 30	Low pH	Water
	1	42099	5	N	KENDALL CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0020 (Kendall occurences in which the 7-day mean of daily maximum value exceeded the temperature crite was 19.12 °Celcius for the 7-day period ending July 16, 2003.	Creek) sho				and 9/8/2003 there			Water
	1	35243	5	N	KENNEY CREEK Lummi Nation unpublished data at station LNT-2484 (submitted by Sue Blake of Whatcom C maximum values of 16.7 degrees C from continuous measurements collected in 1996.	FD96YP County on 1	•	39N ber 200	05E 02) sho		Temperature daily	e	Water
	1	38981	5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Dissolved of	xygen	Water

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, and 1998.

City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2001.

City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.

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Ν LINCOLN CREEK 39112 5 1 GZ41HO 0 38N 03E 29 **Fecal Coliform** Water

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 182 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 27 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 103 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 148 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 11 samples collected in 1992.

City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 177 cfu/100mL from 2 samples collected in 1994.

City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 180 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 298 cfu/100mL from 10 samples collected in 1992.

City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 93 cfu/100mL from 4 samples collected in 2000.

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WRIA	Listing ID Category	98 List?	Waterbody Name Basis	Location I	on Information				Parameter	Remarks	Medium
1	39202 5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Temperature	e	Water
			City of Bellingham data from station COB-LIN5 (Lincoln Creek at Whatcom Creek) submitted excursions beyond the criterion from measurements collected in 1995, 1996 and 1998.	d by Sue Bla	ake of Wh	atcom	County	on 17 December 20	002 shows		
			City of Bellingham data from station COB-LIN3 (Lincoln Creek Near Haskell Business Park) shows no excursions beyond the criterion from measurements collected in 2001.	submitted b	y Sue Bla	ake of V	Vhatco	m County on 17 Dec	cember 2002		
			City of Bellingham data from station COB-LIN2 (Lincoln Creek at Fraser) submitted by Sue Excursions beyond the criterion from measurements collected in 2000.	Blake of Wh	atcom Co	unty or	17 De	ecember 2002 shows	s no		
1	7106 5	Υ	LUMMI RIVER	YI44ML	6.184	39N	02E	31	Fecal Colifo	rm	Water
			Deardorff, 1994, shows a geometric mean of 1958 cfu/100mL from 8 samples collected at R	M 4.0 (just	upstream	of the r	eserva	ition boundary) durir	ng 1994.		
1	6234 5	Y	NOOKSACK RIVER	OS270C	31.722	39N	07E	03	Fine Sedime	ent	Water
			The following references document habitat alterations: Schuett-Hames, 1984a and Schuett-Hames, 1988b,(same data), 14% in 1983 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b								
1	36849 5	N	NOOKSACK RIVER	ZA83VD	8.091	39N	02E	31	Temperature	9	Water
			Lummi Nation unpublished data at station LNT-2487 (submitted by Sue Blake of Whatcom C maximum values of 18.1 degrees C from continuous measurements collected in 1996.	County on 1	7 Deceml	ber 200	2) sho	ws a 7-day mean of	daily		
1	37812 5	N	NOOKSACK RIVER	ZA83VD	4.334	38N	02E	05	Temperature	9	Water
			U.S. Geologial Survey unpublished data at station 12213140 (submitted by Sue Blake of Wh maximum values of 18.07 degrees C from continuous measurements collected in 1996. U.S by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily max collected in 1997.	S. Geologial	Survey u	npublis	hed da	ta at station 122131	40 (submitted		
			U.S.Geological Survey data from NWIS database station 12213140 (Nooksack R. At Brenna collected between 01/93 - 10/00.	an) shows 0	excursior	ns beyo	nd the	criterion out of 40 sa	amples		
			Joy (2000) station RM3R (Nooksack River RM3R) shows 0 excursions beyond the criterion	out of 1 sa	mples col	lected b	etwee	n 02/97 - 02/98.			
			Joy (2000) station RM3.5 (Nooksack River RM3.5) shows 0 excursions beyond the criterion	out of 1 sa	imples co	llected	betwee	en 02/97 - 02/98.			

Joy (2000) station RM2.5 (Nooksack River RM2.5) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location	Informatio	n			Parameter		Medium
				Basis							Remarks	
1	35237	5	N	NOOKSACK RIVER, M.F.	UL53CF	0.991	39N	05E	34	Temperature	e	Water
				City of Bellingham unpublished data at station COB-WELCOMECTR (submitted by Sue Bla of daily maximum values of 16.4 degrees C from continuous measurements collected in 1990).								
				WELCOMECTR (submitted by Sue Blake of Whatcom County on 17 December 2002) show continuous measurements collected in 2000.								
1	35240	5	N	NOOKSACK RIVER, M.F.	UL53CF	2.468	39N	05E	34	Temperature)	Water
				Lummi Nation unpublished data at station LNT-2480 (submitted by Sue Blake of Whatcom 0 maximum values of 16.9 degrees C from continuous measurements collected in 1996.	County on	17 Decem	ber 200)2) sho	ws a 7-day mean	of daily		
1	6230	5	Υ	NOOKSACK RIVER, S.F.	CQ54VT	34.205	36N	06E	20	Fine Sedime	ent	Water
				The following reference documents habitat alterations: Schuett-Hames, 1984a, 10.7% in 1982 Schuett-Hames, 1988b, mean value 11.7% from 1982-1987 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 CES, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b								
1	7112	5	Υ	NOOKSACK RIVER, S.F.	CQ54VT	1.011	38N	05E	07	Temperature	•	Water
				Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy De the criterion in 7/96.	eardorf on 1	0/29/97) s	how tha	at 35%	of the measurem	ents exceeded	results reported as	ature measurements were taken, but single day maximums. Category 5 listing 998 assessment based on multiple ntinuous monitoring.
1	7113	5	Υ	NOOKSACK RIVER, S.F.	CQ54VT	27.801	36N	05E	12	Temperature	•	Water
				Data submitted by Dan Neff of the Lummi Fisheries Department show 29 excursions beyone	d the criteri	on betwee	n 7/28/9	92 and	8/30/92.		results reported as is continued from 1	ature measurements were taken, but single day maximums. Category 5 listing 998 assessment based on multiple ntinuous monitoring.
1	35244	5	N	NOOKSACK RIVER, S.F.	CQ54VT	53.267	36N	07E	03	Temperature	e	Water
				Lummi Nation unpublished data at station LNT-2485 (submitted by Sue Blake of Whatcom of maximum values of 17.9 degrees C from continuous measurements collected in 1996.	County on	17 Decem	ber 200)2) sho	ws a 7-day mean	of daily		

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WRIA	Listing ID Categor	y 98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
			Basis						Remarks	
1	35246 5	N	NOOKSACK RIVER, S.F.	CQ54VT	31.202	36N	06E	18	Temperature	Water
			Lummi Nation unpublished data at station LNT-2490 (submitted by Sue Blake of Whatcom 0 maximum values of 20.9 degrees C from continuous measurements collected in 1996.	County on 1	7 Decem	ber 200	02) sho	ows a 7-day	mean of daily	
1	36838 5	N	NOOKSACK RIVER, S.F.	CQ54VT	14.986	37N	05E	09	Temperature	Water
			Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0085 (South 9/17/2003 there were 7 occurences in which the 7-day mean of daily maximum value excee exceedance during this period was 19.0 degrees Celcius for the 7-day period ending Septen	eded the tem	perature					
			Whatcom Conservation District unpublished data at station ACME-I (submitted by Sue Blak daily maximum values of 21.9 degrees C from continuous measurements collected in 1998		m County	on 17	Decen	nber 2002) :	shows a 7-day mean of	
1	36839 5	N	NOOKSACK RIVER, S.F.	CQ54VT	8.768	38N	05E	31	Temperature	Water
			Whatcom Conservation District unpublished data at station ACME-J (submitted by Sue Blak of daily maximum values of 21.5 degrees C from continuous measurements collected in 199		om County	y on 17	7 Dece	mber 2002)	shows a 7-day mean	
1	36840 5	N	NOOKSACK RIVER, S.F.	CQ54VT	3.061	38N	05E	17	Temperature	Water
			Whatcom Conservation District unpublished data at station ACME-L (submitted by Sue Blak of daily maximum values of 21.3 degrees C from continuous measurements collected in 199		om County	y on 17	7 Dece	mber 2002)	shows a 7-day mean	
			Nooksack Indian Tribe unpublished data from station Nooksack-8 (South Fork Nooksack Ri 17 December 2002 shows no excursions beyond the criterion from measurements collected			submitte	ed by S	Sue Blake o	f Whatcom County on	
			Whatcom Conservation District unpublished data from station ACME-18 (South Fork Nooks December 2002 shows excursions beyond the criterion from measurements collected in 198)) submitt	ed by S	Sue Bla	ake of What	com County on 17	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01F070 (SF Nooksack @ Potte collected between 1993 - 2001	er Rd) show	s 0 excurs	sions b	eyond	the criterior	out of 12 samples	
1	36846 5	N	NOOKSACK RIVER, S.F.	CQ54VT	1.848	38N	05E	08	Temperature	Water
			Lummi Nation unpublished data at station LNT-2475 (submitted by Sue Blake of Whatcom 0 maximum values of 20.7 degrees C from continuous measurements collected in 1996.	County on 1	7 Decem	ber 200	02) sho	ows a 7-day	mean of daily	
1	39232 5	N	NOOKSACK RIVER, S.F.	CQ54VT	17.786	37N	05E	21	Temperature	Water
			Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0098 (South Fork Nooksack @ Saxon Bridge) shows between 9/10/2003 there were 56 occurences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody exceedance during this period was 23.05 degrees Celcius for the 7-day period ending August 1, 2003.							
			Utah State University unpublished data from station USU-5 (South Fork Nooksack River) su	ubmitted by	Sue Blake	of Wh	atcom	County on	17 December 2002	

shows no excursions beyond the criterion from measurements collected in 2000.

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Nooksack Indian Tribe unpublished data from station Nooksack-3 (South Fork Nooksack River at Saxon Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997.

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location	Informatio	on			Parameter Remarks	Medium
1	42100	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0025 (South 9/7/2003 there were 61 occurences in which the 7-day mean of daily maximum value exceedance during this period was 22.62 °Celcius for the 7-day period ending August 1, 2	eded the ten	ack Abov	e Todd) shows betwee		Water
1	42101	5	N	NOOKSACK RIVER, S.F.	CQ54VT	6.927	38N	05E	30	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0045 (South there were 64 occurences in which the 7-day mean of daily maximum value exceeded the during this period was 22.82 °Celcius for the 7-day period ending August 1, 2003.							
1	42103	5	N	NOOKSACK RIVER, S.F.	CQ54VT	13.013	37N	05E	08	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0070 (South 9/10/2003 there were 64 occurences in which the 7-day mean of daily maximum value exceedance during this period was 23.14 °Celcius for the 7-day period ending August 1, 2	eeded the te						
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0065 (Landi occurences in which the 7-day mean of daily maximum value exceeded the temperature c was 23.08 °Celcius for the 7-day period ending August 1, 2003.							
1	42105	5	N	NOOKSACK RIVER, S.F.	CQ54VT	15.837	37N	05E	16	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0090 (South occurences in which the 7-day mean of daily maximum value exceeded the temperature of was 22.03 °Celcius for the 7-day period ending August 1, 2003.							
1	42111	5	N	NOOKSACK RIVER, S.F.	CQ54VT	3.821	38N	05E	18	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0022 (South occurences in which the 7-day mean of daily maximum value exceeded the temperature c 22.60 °Celcius for the 7-day period ending August 1, 2003.							
1	39003	5	N	PADDEN CREEK	PB65NR	2.329	37N	03E	07	Dissolved oxygen	Water
				City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom Coumeasurements collected in 1994, 1995 and 1996.	unty on 17 De	ecember 2	2002) sl	how ex	cursions beyor	nd the criterion from	
				City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom Coumeasurements collected in 1996.	unty on 17 De	ecember 2	2002) sl	how ex	cursions beyor	nd the criterion from	
1	39005	5	N	PADDEN CREEK	PB65NR	0	37N	02E	99	Dissolved oxygen	Water
				City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom Cou	unty on 17 De	ecember 2	2002) sl	how ex	cursions beyor	nd the criterion from	

measurements collected in 1991, 1994, 1995 and 1996.

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Ν **PADDEN CREEK** 39128 5 1 PB65NR 2.329 37N 03E 07 **Fecal Coliform** Water

> City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 117 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 483 cfu/100mL from 4 samples collected in 1998.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 29 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 18 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 142 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 130 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1992.

City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 2 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 3 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 3 samples collected in 2000.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 4 samples collected in 1998.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 1997.

City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 2 samples collected in 1996.

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City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 435

City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 243

cfu/100mL from 12 samples collected in 1993.

cfu/100mL from 12 samples collected in 1992.

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis						Remarks	
1	39223	5	N	PADDEN CREEK	PB65NR	2.329	37N	03E 0	07	Temperature	Water
				City of Bellingham data from station COB-PAD1 (Padden Creek at 30th Street) submitted by excursions beyond the criterion from measurements collected in 1992, 1994, 1995, and 199		of Whato	om Cou	nty on 17	7 December 2002 s	shows	
				City of Bellingham data from station COB-PAD2 (Padden Creek at 38th Street) submitted by excursions beyond the criterion from measurements collected in 1997.	/ Sue Blake	of Whato	om Cou	nty on 17	7 December 2002 s	shows	
				Seiders (2001) station PC-4 (PADDEN CR SAMPLING SITE #4) shows 0 excursions beyon	d the criterio	on out of	4 sampl	es collec	ted between 04/01	- 06/01.	
1	17299	5	N	PADDEN LAKE	758LBQ	37N	3E 0	В		Total PCBs	Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cur	tthoat trout	collected	in 2001.				
1	42468	5	N	PANGBORN CREEK	PJ69OE	0.059	40N	04E 0	05	Fecal Coliform	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station PNC percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2002.		following	: 6 of 2	4 sample	es (25.0%) exceede	ed the	
1	42336	5	N	PLUMBAGO CREEK	BO79NP	0.337	36N	05E 1	13	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0130 (Plumba occurences in which the 7-day mean of daily maximum value exceeded the temperature crit 16.18 °Celcius for the 7-day period ending August 2, 2003.							
				Lummi Nation unpublished data at station LNT-2473 (submitted by Sue Blake of Whatcom C values of 16.2 degrees C from continuous measurements collected in 1996.	County on 1	7 Decem	er 2002	2) shows	a 7-day mean of d	aily maximum	
1	39226	5	N	PORTER CREEK	NT09YV	0	38N	05E 1	11	Temperature	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0040 (Lower occurences in which the 7-day mean of daily maximum value exceeded the temperature crit 16.84 °Celcius for the 7-day period ending July 20, 2003.							tegory 2 to Category 5 on 01/20/05 due to Listing ID 42108 (cat 5)kk

Nooksack Indian Tribe unpublished data from station Nooksack-11 (Porter Creek at Mosquito Lake Road) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.

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V	/RIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location	Informati	ion			Parameter	Medium Remarks
	1	6228	5	Y	RACEHORSE CREEK The following references document habitat alterations: Schuett-Hames, 1984a, 19.7% in 1983. Schuett-Hames, 1988b, 17.8% in 1985. The following references document impairment of characteristic uses: Schuett-Hames, 1987, documented decline in Chinook stock Doughty, 1987, documented decline in Chinook stock. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a	НМ16МҮ	(0	39N	05E	10	Fine Sedime	
	1	7118	5	Y	PEAK NW, 1986b. RACEHORSE CREEK Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) sho	HM16MY w 32 excur			05E e criterio		Temperature and 9/4/92.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
	1	39227	5	N	RACEHORSE CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0015 (Racehoccurences in which the 7-day mean of daily maximum value exceeded the temperature crit was 19.19 °Celcius for the 7-day period ending August 1, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-22 (Racehorse Creek) submo excursions beyond the criterion from measurements collected in 1995-1997.	terion for th	k) shows l nis waterb	between body; the	e maxim	003 and 9/8/2003 th num exceedance du	ring this period	Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing ID 42098 (cat 5)kk
1)	1	7119	5	Y	ROARING CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0135 (Deer Coccurences in which the 7-day mean of daily maximum value exceeded the temperature crit 18.34 °Celcius for the 7-day period ending August 1, 2003. Lummi Nation unpublished data at station LNT-2476 (submitted by Sue Blake of Whatcom Covalues of 16.6 degrees C from continuous measurements collected in 1996. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Dethe criterion in 7/96.	terion for th	vs between is waterb	en 6/12/2 pody; the nber 200	e maxim 02) shov	nd 9/8/2003 there we num exceedance in ws a 7-day mean of	this year was daily maximum	Consolidated with Listing IDs 42113 (cat 5) and 36847 (cat on 01/26/05kk Continuous temperature measurements were taken, but
	1	7120	5	Y	SILVER BEACH CREEK Matthews, et al. 1997., 5 excursions beyond the upper criterion out of 6 samples (83%) at	TT370Y a station u	-		03E shore re		Fecal Colifo n 7/94 and 7/96.	

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location In	formatio	on			Parameter	Domorko	Medium
				Basis							Remarks	
1	7127	5	Υ	SILVER CREEK	WO95OB	0.13	38N	02E	08	Dissolved o	xygen	Water
				Western Washington University (1993), 21 excursions beyond the criterion out of 55 sample	es (38%) betw	veen 7/9	1 and	5/93 at	Site 3 (RM	M 1.7).		
				Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows 2 excursions beyond	the criterion	measure	ed on th	nese da	ites: 97/04	4/28, 97/04/30,		
1	7129	5	Υ	SILVER CREEK	WO95OB	4.447	39N	02E	33	Dissolved o	xygen	Water
				Western Washington University (1993), 8 excursions beyond the criterion out of 55 samples	(15%) between	een 7/91	and 5/	/93 at S	Site 5 (RM	3.0).		
1	7131	5	Υ	SILVER CREEK	WO95OB	5.016	39N	02E	34	Dissolved o	xygen	Water
				Western Washington University (1993), 18 excursions beyond the upper criterion between 7	7/91 and 5/93	3 at Site	6 (RM	3.5).				
1	10518	5	Υ	SILVER CREEK	WO95OB	2.592	38N	02E	04	Dissolved o	xygen	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Cr nr Brennan) between 1993 - 2001 measured on these dates: 93/05/18, 93/06/22, 93/07/20, 93/08/17, 93/08/20, 93	shows 5 exc /09/21,	ursions	beyond	d the cri	iterion out	of 8 samples collected	Policy 1-11 (update	ment of data it was determined that WQ ed 9/03) was overly restrictive for the
				City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County measurements collected in 2000.	y on 17 Dece	mber 20	002) sh	ow exc	ursions be	eyond the criterion from	impairments . Bas DO statewide, it was excursions for at le	data excursions needed to list for D.O. ed on a review of monitoring studies for as determined that multiple (3 or more) east two years of monitoring should be
to												tive indicator that a waterbody continues
											be impaired. (Brale	ey, ECY/WQP, 2003)
1	7128	5	Υ	SILVER CREEK	WO95OB	0.12	20N	02E	00	Fecal Colifo	rm	Water
•	7120	3	•	Western Washington University (1993), 9 excursions beyond the upper criterion between 7/					00	i ecai como		a were previously submitted only in
							`	,	+ OE 0/ of	the complete avecade the	hardcopy form. Th	ne water segment is listed as Category 5
				Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows the geometric mean of percentile criterion from 4 samples collected during 1997.; ;	i 134 exceed	is the ch	iteriori a	ano ma	1 25 % 01	the samples exceeds the	based on the 1996	assessment.
1	7130	5	Υ	SILVER CREEK	WO95OB	4.447	39N	02E	33	Fecal Colifo	rm	Water
				Western Washington University (1993), 18 excursions beyond the upper criterion between 7	7/91 and 5/93	3 at Site	5 (RM	3.0).				a were previously submitted only in se water segment is listed as Category 5 assessment.
1	16686	5	Υ	SILVER CREEK	WO95OB	2.592	38N	02E	04	Fecal Colifo	rm	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Creek near Brer 25% of the samples exceeds the percentile criterion from 8 samples collected during 1993.	nnan) shows	a geome	etric me	ean of	131 excee	eds the criterion and that		
				City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County from 2 samples collected in 2000.	y on 17 Dece	ember 20	002) sh	ows a (geometric	mean of 66 cfu/100mL		

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W	RIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
					Basis						Remarks	
	1	39019	5	N	SQUALICUM CREEK	ZV66WA	7.387	38N	03E	09	Dissolved oxygen	Water
					City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom Count measurements collected in 1994, 1995, 1996, 1997, 1998, 1999, and 2000.	ty on 17 De	cember 2	2002) sł	ow ex	cursions beyond the	criterion from	
	1	39020	5	N	SQUALICUM CREEK	ZV66WA	6.058	38N	03E	16	Dissolved oxygen	Water
					City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom Count measurements collected in 1990, 1991, 1992, and 1993.	ty on 17 De	cember 2	.002) sh	now ex	cursions beyond the	criterion from	
	1	39021	5	N	SQUALICUM CREEK	ZV66WA	2.656	38N	03E	18	Dissolved oxygen	Water
					City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom Count measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, 1998, and 1999.	ty on 17 De	cember 2	2002) sł	ow ex	cursions beyond the	criterion from	
	1	39150	5	N	SQUALICUM CREEK	ZV66WA	7.387	38N	03E	09	Fecal Coliform	Water

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 116 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 105 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 215 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 98 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 321 cfu/100mL from 10 samples collected in 1994.

City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 110 cfu/100mL from 5 samples collected in 1992.

Wednesday, November 2, 2005 Page 31 of 407 City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 40 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 4 samples collected in 1998.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 68 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 191 cfu/100mL from 11 samples collected in 1994.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 69 cfu/100mL from 11 samples collected in 1992.

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City of Bellingham data from station COB-SQA3 (Squalicum Creek at Meridian) submitted by Sue Blake of Whatcom County on 17 December 2002 shows

Anderson, P., Roose, M., (2004), station SQ5 shows 1 samples exceeded the criterion in year 2003.

excursions beyond the criterion from measurements collected in 1996, 1997 and 1998.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location Ir	nformation	า			Parameter Remarks	Medium
1	41772	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ1 shows that 3 of 3 samples collected in years 2	ZV66WA 002 and 20					Zinc	Water
				Anderson, P., Roose, M., (2004), station SQ3 shows that 3 of 3 samples collected in years 2	002 and 20	03 exceed	ded the	chroni	c criterion.		
1	41776	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ5 shows that 3 of 3 samples collected in years 2 in 2002 exceeded the acute criterion.	ZV66WA 002 and 20		38N ded the			Zinc nple collected	Water
1	42520	5	N	SUMAS RIVER Hallock (2003), Dept. of Ecology ambient station 01D080 shows a total of 3 samples in years	MS54MP s 2001 and 2			-		Dissolved oxygen	Water
1	6596	5	Y	SUMAS RIVER Hallock (2004), Dept. of Ecology ambient station 01D080 shows a geometric mean of 154.3 in year 2002 exceeded the percentile criterion. 9 excursions beyond the criterion out of 9 samples (100%) at Ecology ambient monitoring states Cusimano, 1992 2 excursion beyond the upper criterion collected at RM 13.4 in 9/91.		ne criterio	n in yea	ar 2002	t; and shows 4 of 8 s		is listed as Category 5 based on the 1998
1	16407	5	N	SUMAS RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01D120 (Sumas R nr Nooksack of the samples exceeds the percentile criterion from 3 samples collected during 1996.; Hallo (Sumas R nr Nooksack) shows a geometric mean of 216 exceeds the criterion and that 38% collected during 1997.	ock (2001) [geometric Dept. of E	cology	of 603 e Ambiei	exceeds the criterion nt Monitoring Station	01D120	Water
1	37814	5	N	SYGITOWICZ CREEK Whatcom Conservation District unpublished data at station ACME-B (submitted by Sue Blak of daily maximum values of 18.7 degrees C from continuous measurements collected in 199			38N / on 17			Temperature 7-day mean	Water
1	14445	5	N	TENMILE CREEK Joy (2000) station 01TTEN (AT MOUTH BELOW BARRETT LAKE) shows 17 excursions be	FY02EA	-		02E	_	Dissolved oxygen 97/04/28 During th	Water

Joy (2000) station 01TTEN (AT MOUTH BELOW BARRETT LAKE) shows 17 excursions beyond the criterion measured on these dates: 97/03/17, 97/04/28, 97/04/30, 97/05/12, 97/06/18, 97/07/22, 97/08/25, 97/08/26, 97/08/27, 97/09/22, 97/09/23, 97/09/24, 97/11/16, 97/11/17, 97/11/18, 97/11/19, 98/02/23,

During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

be impaired. (Braley, ECY/WQP, 2003)

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Remarks	Medium
1	5834	5	Y	TENNANT CREEK Silver Creek Watershed Management Committee, 1989. , 5 excursions at Site 4 (RM 1.0) is beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 4 (RM 1.0).	EL82JG in 1988.; We	-		02E on Univ		Dissolved or cursions	xygen	Water
1	5836	5	N	TENNANT CREEK Western Washington University (1993), excursions beyond the criterion out of 55 samples (EL82JG 4%) at Site	-		02E ng 1991		Temperature	•	Water
1	41333	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 2 sample exceeds the criterion	YG94EC	0	38N	03E	09	Pentachloro	phenol	Water
1	41777	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 3 samples collected in years 2	YG94EC 2002 and 20	-		03E e chroni		Zinc		Water
1	37813	5	N	TODD CREEK Whatcom Conservation District unpublished data at station ACME-A (submitted by Sue Blak of daily maximum values of 19.8 degrees C from continuous measurements collected in 199	e of Whatco	1.766 om Count		04E 7 Dece	_	Temperature 7-day mean	•	Water
1	7094	5	Y	UNNAMED CREEK Tetra Tech, 1989, 1 excursion beyond the criterion at RM 4.0 Mathews, et al. 1994, 10 excursions at Site 26 (RM 4.0) in 1994. Mathews, et al. 1995, 6 excursions Site 26 (RM 4.0) in 1995.	QG38LP	0.022	40N	03E	11	Dissolved or	Administrative nam	Water e change from KAMM (STICKNEY) MED CREEK 01/24/05kk
1	39018	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Ebeyond the criterion from measurements collected in 1996, 1997, and 1998.	AC76JK Blake of Wha		-	03E n 17 De		Dissolved on we excursions	xygen	Water
1	7099	5	Y	UNNAMED CREEK Mathews, et al. 1995, 13 excursions out of 26 samples (50%) beyond the criterion at Site 26 Tetra Tech, 1989, 5 excursions beyond the criteria out of 11 samples at RM 4.5 between 10	(RM 4.0) in		40N	03E	11	рН		Water e change from KAMM (STICKNEY) MED CREEK 01/24/05kk
1	39325	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Excursions beyond the criterion from 27 measurements collected in 1996-1998.	AC76JK Blake of What		40N ounty o			pH w 11	Low pH	Water

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WRIA	Listing ID Categor	y 98	List?	Waterbody Name Basis	Location I	nformation	n			Parameter	Remarks	Medium
1	42507 5	N	N	UNNAMED CREEK (DRAYTON HARBOR)	UNK000	0	00U	0000	J 00	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LS5 percentile criterion in 2002; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004		following:	4 of 13	3 sam	ples (30.8%) exceed	ed the		
1	42335 5	N	N	UNNAMED CREEK (PEAT BOG CREEK)	UNK000	0	38N	05E	14	Temperatur	e	Water
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0060 (Peat Booccurences in which the 7-day mean of daily maximum value exceeded the temperature crite 20.19 °Celcius for the 7-day period ending August 1, 2003.								
1	42499 5	N	N	UNNAMED CREEK (SEMIAMOO BAY)	UNK000	0	00U	0000	J 00	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CC samples collected in 2002 exceeded the criterion, and 12 of 22 samples (54.5%) exceeded the percentile criterion in 2003; a geometric mean of 109.5 cfu/100mL from 8 samples collected	the percenti	le criterior	ı; 7 of 1	17 san				
1	42500 5	N	N	UNNAMED CREEK (SEMIAMOO BAY)	UNK000	0	00U	0000	J 00	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CCC percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2000.		following	: 8 of 2	23 san	nples (34.8%) excee	ded the		
1	42497 5	N	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK)	SO72ZG	0	40N	02E	27	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station B2 s criterion in 2003.	shows the fo	ollowing: (of 17	sampl	les (29.4%) exceede	d the percentile	е	
				Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of 88 cfu/100mL from 35 samples collected in 1999.	of Whatcom	County o	n 17 D	ecemb	per 2002) shows a g	eometric mean		
				Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of 75 cfu/100mL from 5 samples collected in 1998.	of Whatcom	County o	n 17 D	ecemb	per 2002) shows a g	eometric mean		
1	42498 5	N	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK)	TR87ZN	2.202	41N	02E	36	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SQ scriterion in 2002; 5 of 19 samples (26.3%) exceeded the percentile criterion in 2003.	shows the f	ollowing:	3 of 24	samp	les (12.5%) exceede	ed the percentil	e	
				Northwest Indian College unpublished data from station NWIC-BJ (submitted by Sue Blake of 85 cfu/100mL from 5 samples collected in 1999.	of Whatcom	County o	n 17 D	ecemb	per 2002) shows a ge	eometric mean		
1	42506 5	N	N	UNNAMED CREEK (TRIB TO NOOKSACK RIVER)	UNK000	0	00U	0000	J 00	Fecal Colifo	orm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LLPI percentile criterion in 2002; 4 of 17 samples (23.5%) exceeded the percentile criterion in 2000.								

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name	Location	nformatio	n			Parameter		Medium
				Basis							Remarks	
1	42511	5	N	UNNAMED CREEK (TRIB TO SILVER CREEK)	JQ93SX	0	38N	02E	08	Fecal Colifo	rm	Water
				Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SC scriterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.	shows the t	ollowing:	3 of 24	sampl	es (12.5%) exceede	d the percentil	e	
1	5845	5	Υ	UNNAMED CREEK WDF# 01.0148	PC85CB	0.81	38N	02E	03	Fecal Colifo	rm	Water
				Western Washington University (1993), 5 excursions beyond the upper criterion between 9/9	2 and 5/93	at Site 9	(Unnan	ned Cr	eek WDF# 01.0148	at RM 0.5).		were previously submitted only in a water segment is listed as Category 5 assessment.
1	39033	5	N	WHATCOM CREEK	EZ19GC	4.036	38N	03E	28	Dissolved o	xygen	Water
				City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom Coun from measurements collected in 1990, 1991, 1994, 1995, 1996, 1998 and 1999.	ty on 17 D	ecember 2	2002) sl	how ex	cursions beyond the	criterion		
1	39034	5	N	WHATCOM CREEK	EZ19GC	0.027	38N	03E	30	Dissolved o	xygen	Water
				City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom Coun from measurements collected in 1994, 1995 and 1996.	ty on 17 D	ecember 2	2002) sl	how ex	cursions beyond the	criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Belling collected between 1993 - 2001	ham) sho	vs 0 excu	rsions b	eyond	the criterion out of 1	2 samples		
1	39035	5	N	WHATCOM CREEK	EZ19GC	2.176	38N	03E	29	Dissolved o	xygen	Water
				City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom Coun	ty on 17 D	ecember 2	2002) sl	how ex	cursions beyond the	criterion		

from measurements collected in 1990, 1991, 1994, and 1995.

Utah State University unpublished data from station USU-1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.

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WHATCOM CREEK 5 Υ 16408 EZ19GC 0.027 38N 03E 30 **Fecal Coliform** Water

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 108 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 390 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1993.

U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James St at Bellingham) shows a geometric mean of 3200 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 119 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 291 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 78 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 170 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1992.

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Ν WHATCOM CREEK 39160 5 1 EZ19GC 4.036 38N 03E 28 **Fecal Coliform** Water

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 20 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 9 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 14 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 70 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 12 samples collected in 1992.

City of Bellingham data from station COB-WHA5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 5 samples collected in 1992.

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Water

Ν WHATCOM CREEK 39162 5 1

EZ19GC 2.176 38N 03E 29 **Fecal Coliform**

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 16 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 134 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 32 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 87 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 59 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 139 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 80 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 64 cfu/100mL from 11 samples collected in 1992.

City of Bellingham data from station COB-WHA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 6 samples collected in 1992.

36841 5 WHATCOM CREEK Ν

EZ19GC 4.036 38N 03E 28 **Temperature** Water

City of Bellingham data at station COB-CDAM (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 24.5 degrees C from continuous measurements collected in 2000.

City of Bellingham data from station COB-WHA1 (Whatcom Creek at Control Dam) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990-2000.

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WRIA	A Li	isting ID Cat	egory	98 List?	Waterbody Name	Location I	Informati	ion				Parameter	Medium
					Basis								Remarks
1	;	36842	5	Υ	WHATCOM CREEK	EZ19GC	0.027	38N	03E	30		Temperature	e Water
					City of Bellingham data at station COB-DUPONT (submitted by Sue Blake of Whatcom Couvalues of 23.5 degrees C from continuous measurements collected in 2000.	nty on 17 E	Decembe	er 2002)	shows	a 7-d	ay mean of dail	y maximum	
					City of Bellingham data from station COB-WHA2 (Whatcom Creek at Dupont) submitted by excursions beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 19					17 De	cember 2002 s	hows	
					U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James samples collected between 01/93 - 10/00.	St at Belling	gham) sl	hows 1	excursio	ons be	eyond the criter	ion out of 1	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Belling collected between 1993 - 2001 measured on these dates: 94/07/19, 94/08/16, 94/09/20,	gham) shov	ws 3 exc	cursions	beyond	d the c	criterion out of 1	2 samples	
1	;	36843	5	N	WHATCOM CREEK	EZ19GC	2.176	38N	03E	29		Temperature	e Water
					City of Bellingham data at station COB-RACINE (submitted by Sue Blake of Whatcom Courvalues of 22.3 degrees C from continuous measurements collected in 2000.	ty on 17 De	ecembei	r 2002) s	shows a	a 7-da	y mean of daily	maximum	
					City of Bellingham data from station COB-WHA3 (Whatcom Creek at I-5) submitted by Sue beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 1996, 1997,			County o	on 17 D	eceml	ber 2002 shows	s excursions	
					Utah State University data from station USU-1 (Whatcom Creek) submitted by Sue Blake of beyond the criterion from measurements collected in 2000.	Whatcom C	County o	on 17 De	ecembe	er 2002	2 shows no exc	ursions	
1		14024	5	N	WHATCOM LAKE	205VNG	48122	2H3D3	48.73	35	122.335	Dieldrin	Tissue
					Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in a composite of	8 individual	l fillets fo	or kokan	e collec	cted th	nroughtout the l	ake.	The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.
1		5846	5	Y	WHATCOM LAKE	205VNG	48122	2H4G1	48.76	65	122.415	Dissolved o	xygen Water
					Pelletier, 1998. hypolimnetic oxygen depletion rates in Basin I show significant increase dure Erickson, 1997. Based on data collected by Mathews, et al. 1997. ten years show increase the past 10 years.				n with c	depth a	at Site 1 in Sep	tember over	
1		15889	5	N	WHATCOM LAKE	205VNG	48122	2H3E7	48.74	45	122.375	Mercury	Tissue
					Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish ti Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fis Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fis	h tissue at s	station L	KWH10	A from	samp	les collected in	2000.	

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformation			Parameter	Medium Remarks
1	15890	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions et al. 2001 show ex	205VNG issue at stat issue at stat	48122G2H6 ion LKWH38 fro ion LKWH39 fro	48.675 m samples om samples o	122.265 collected on 5. collected on 5.	Mercury /15/2000. /23/2000.	Tissue
1	15891	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to	205VNG issue at stat	48122G3H1 ion LKWH48 fro	48.675 m samples (122.315 collected on 5.	Mercury /22/2000.	Tissue
1	15892	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to 5/23/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fisher serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fisher serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fisher serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fisher services.	issue at stat sh tissue at s	ion LKWH5 fron	n samples co	ollected on 5/1 s collected in 3	15/2000 and 2000.	Tissue
1	15893	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish						Tissue
1	15894	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to 5/23/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to 5/23/2000.						Tissue
1	15895	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish to	205VNG issue at stat	48122H4F1 ion LKWH81B fi	48.755 rom samples	122.415 s collected on	Mercury 5/25/2000.	Tissue
1	14025	5	N	WHATCOM LAKE Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in composites of throughtout the lake. Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Co				122.335 mall mouth ba	Total PCBs ass collected	Tissue The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
1	8621	5	N	WHATCOM LAKE	205VNG	48122H	13D3	48.735	122.335	Total Phosp	horus	Water
				Completed Phase I in 1988 - Problems Encountered: Tributary nutrient inputs, localized/emb	ayment wa	ter qualit	deterio	oration.				e Clean Lakes Restoration Project: easures are underway based on the
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 10 uquality standards nutrient criterion for the Puget Lowlands Ecoregion.	g/L from sa	amples co	ollected	in 1981 v	vhich does not ex	ceed the water	Phase I study. Wate harvesting, septic sy development) structure education. The basis cited for the	ershed nutrient management (timber stem management, ordinance ural storm water controls, public ne assessment applies to the entire lake. ment of the lake was selected to
2	12325	5	N	UNNAMED CREEK	WK31QK	0	35N	02W 2	4	Fecal Colifo	rm	Water
				Coots, 1999. data from San Juan County station L18 (South side of Johnson Lane Private Ro 1998 with a sample size less than 5.	d. off Mt. Ba	aker Viev	/ Rd.) sl	now exce	eds both criterior	n in 1997 and		
				Coots, 1999. data from San Juan County station L17 (Pond Ellis farm) show meets both crite	rion in 199	7 with a s	ample s	size of 1.				
2	12335	5	N	UNNAMED CREEK	WS69BZ	0	36N	01W 0	9	Fecal Colifo	rm	Water
				Coots, 1999. data from San Juan County station O1 (Obstruction Pass Road, culvert North o sample size of 6.	f substatior	n.) show	exceeds	the perc	entile criterion in	1997 with a		
				Coots, 1999. data from San Juan County station O25 (BB S. of Rd. at Bohems) show meets	both criterio	on in 199	7 with a	sample	size of 1.			
2	12770	5	N	UNNAMED CREEK	XV83AX	0	36N	04W 2	4	Fecal Colifo	rm	Water
				Coots, 1999. data from San Juan County station SJ6 (Wescott Bay South Stream Outlet) sho	ow meets be	oth criter	on in 19	997 with a	a sample size of	1.		
3	7133	5	Υ	BROWNS SLOUGH	VN02NL	0.035	33N	03E 2	2	Fecal Colifo	rm	Water
				Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show the percentile	criteria is e	exceeded	out of (3 sample:	s at station BRWI	U during 1992.		

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
3	6314	5	N	CAMPBELL LAKE	505RFE	34N 0)1E 1	3		Total Phospi	horus Water
Project				Completed Phase I Federal Clean lakes Restoration Project in 1984. Problems Encountered	d: Blue-gre	en algae	, low dis	ssolved	d oxygen, tributary nu	trient inputs,	Completed Phase II Federal Clean Lakes Restoration
rioject				sediment phosphorus recycling, aquatic macrophytes. ;. Entranco, 1983.; Entranco, 1987.;							in 1988: Control measures that were implemented based on Phase I study - phosphorus precipitation/inactivation, watershed nutrient management (septic system management), aquatic macrophyte harvesting, public education. TMDL based on Phase I and Phase II restoration submitted to EPA on 8/25/93 - EPA determined TMDL was incomplete on 4/8/93. After further review, EPA approved
the											TMDL on 7/28/97. Welch and Cooke, 1995 = monitored effectiveness of control measures showed an 8 ug/l increase in whole-lake total phosphorus 6 years after implementation.
3	6421	5	Υ	CARPENTER CREEK	YA61IC	3.631	33N	04E	17	Temperature	e Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03C02 (Carpenter Creek at SR534).	of daily max	ximum va	lues of	22 for v	week ending 15 Augu	ıst 2001 at	
3	6422	5	N	CARPENTER CREEK	YA61IC	0	33N	04E	30	Temperature	e Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03C01 (Carpenter Creek nr mouth).	of daily max	ximum va	lues of	22.4 fo	r week ending 14 Jul	y 2001 at	
				Pickett (1997) station Skagit34 (Carpenter/Fisher Creeks (CARPCK)) shows 0 excursions b 10/96 .	eyond the c	criterion o	ut of 8	sample	es collected between	09/94 -	
3	39605	5	N	EDISON SLOUGH	TR24JW	0.926	36N	03E	33	Dissolved ox	xygen Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	2001 and 2	002.					
3	39604	5	N	EDISON SLOUGH	TR24JW	0.926	36N	03E	33	Fecal Colifor	rm Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	2000 and 2	2001.					
3	6425	5	N	FISHER CREEK	KG61QW			04E		Temperature	e Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03F02 (Fisher Creek at Starbird).	of daily max	ximum va	lues of	18.1 fo	r week ending 12 Au	gust 2001 at	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformation	า			Parameter	Remarks	Medium
3	16409	5	Y	FRIDAY CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Haexceed the criterion and that 0% of the samples does not exceed the percentile criterion from			n) sho			Fecal Colifo 40 does not		Water 1998 List, was 36N-04E-32 -kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Ha exceed the criterion and that 0% of the samples does not exceed the percentile criterion from	n 3 samples	collected	during	j 1994.				
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03C060 (Friday Creek below Hallock exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 san					eometric mean of	68 does not		
3	6426	5	Y	HANSEN CREEK		1.507		05E	_	Temperatur	e	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03H01 (Hansen Creek at Hoehn Rd).	of daily max	imum val	ues of	18.8 fo	r week ending 15	August 2001 at		
3	7150	5	Y	INDIAN (BIG) SLOUGH	390KRD	48122E	4F7	48.45	5 122.475	Dissolved o	xygen	Water
				Bulthuis, 1993. review shows multiple excursions beyond the criterion during 1987, 1988, an	d 1991.							
				Cassidy and McKeen, 1986. multiple excursions beyond the criterion during 1985 and 1986.								
3	7149	5	Υ	INDIAN (BIG) SLOUGH Bulthuis, 1993. exceeds geometric mean criterion in 1986.	390KRD	48122E	4F7	48.45	5 122.475	Fecal Colifo	rm	Water
3	39610	5	N	JOE LEARY SLOUGH	BE29YH		35N	04E	20	Dissolved o	xygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	2001 and 20	002.						
3	39611	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	LA86QK 2001 and 20		35N	04E	30	Dissolved o	xygen	Water
3	39612	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	LA86QK 2001 and 20		35N	03E	18	Dissolved o	xygen	Water
3	7153	5	Y	JOE LEARY SLOUGH Bulthuis, 1993. exceeds geometric mean criterion in 1986.	390KRD	48122F	4C7	48.52	5 122.475	Fecal Colifo	rm	Water

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Bulthius, 1997. samples from multiple locations showed high levels of fecal coliform on 12/5/96.

Bulthius, 1996. samples from multiple locations showed high levels of fecal coliform on 10/29/96.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Remarks	Medium
3	39607	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	BE29YH 1999, 2000			04E	20	Fecal Colifo	rm	Water
3	39608	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	LA86QK 1999, 2000			04E	30	Fecal Colifo	rm	Water
3	39609	5	N	JOE LEARY SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	LA86QK 2000.	0.174	35N	03E	18	Fecal Colifo	rm	Water
3 values e	6343	5	Y	KETCHUM LAKE State Phase I Clean Lakes Restoration Project -diagnostic/feasibility assessment showed lak from an adjacent farm via runoff from excessive land application of manure. In-lake recycling Snohomish County unpublished data show summer mean epilimnetic total phosphorus exce	g of phosph	orus is al	. Majo so sign	rity of t ificant.			Snohomish County lake as "impaired" epilimnetic total ph	Water r's State of the Lakes Report identifies the and "in need of restoration". Summer osphorus concentrations are extremely en exceeding 200 ug/l. Hypolimnetic
				1999, 2000, 2001 and 2002 from samples collected between 1996-2002. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 192 standards nutrient criterion for the Puget Lowlands Ecoregion.	ug/L from s	samples c	ollecte	d in 19	81 which exceeds the	e water quality	blooms in response	e suffers from regular nuisance allgal e to elevated nutrient levels.
3	39620	5	N	NONAME SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, a	BX87EZ and 2002.	3.915	35N	03E	32	Dissolved o	xygen	Water
3	39621	5	Y	NONAME SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, a Giles and Bulthius, 1996. numerous excursions beyond the criterion during 1996.	BX87EZ and 2002;	1.575	34N	03E	05	Dissolved o	xygen	Water
3	39623	5	N	NONAME SLOUGH Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, a	BX87EZ and 2001.	0.981	34N	03E	06	Dissolved o	xygen	Water
3	7158	5	Y	NONAME SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was not exceeded	BX87EZ d in sample:	1.575 s collecte	34N d from	03E 1999-2		Fecal Colifo	rm	Water

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Giles and Bulthius, 1996. 4 samples collected showed some high levels in 1996;

Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in 1999, 2000, 2001 and 2002.

Bulthuis, 1993. exceeds geometric mean criterion in 1986.

WRIA	Listing ID Categ	ory (98 List?	Waterbody Name Basis	Location Ir	nformation	n			Parameter	Remarks	Medium
3	39616	5	N	NONAME SLOUGH Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	BX87EZ 1999, 2000	3.915 , 2001 an		03E	32	Fecal Colifo	rm	Water
3	39633	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 20000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2	LZ60MT 2001 and 20	20.131	33N	05E	19	Dissolved o	kygen	Water
3	39634	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000, a	LZ60MT and 2001.	10.063	34N	04E	25	Dissolved or	kygen	Water
3	39635	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 20000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2	LZ60MT 2001 and 20	7.976	34N	04E	23	Dissolved o	kygen	Water
3	39636	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 20000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2	LZ60MT 2001 and 20	2.721 002.	34N	04E	10	Dissolved o	kygen	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03D050 (Nookachamp Ck nr Mccollected between 1993 - 2001 measured on these dates: 00/06/21, 00/08/23, 00/09/20, 95/0				eyond t	he criterion out of 1	8 samples		
				Pickett (1997) station Skagit14 (Nookachamps Creek (NOOKCK)) shows 0 excursions beyon	and the crite	rion out o	f2 san	nples o	collected between ()9/94 - 10/96 .		
3	39637	5	N	NOOKACHAMPS CREEK Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 20000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2000, 2	LZ60MT 2001 and 20	-	34N	04E	04	Dissolved or	kygen	Water
3	6427	5	Υ	NOOKACHAMPS CREEK	LZ60MT	6.701	34N	04E	14	Temperature	•	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03N02 (Nookachamps abv Barney La).	of daily max	imum val	ues of	21.6 fo	r week ending 9 Jul	y 2001 at		
3	6428	5	Υ	NOOKACHAMPS CREEK	LZ60MT	10.063	34N	04E	25	Temperature	•	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03N03 (Nookachamps blw Big Lake).	of daily max	imum val	ues of	23.7 fo	r week ending 12 Ju	ıly 2001 at		

Skagit Stream Team unpublished data show excursions beyond the criterion in 2000 and 2002.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformatic	n				Parameter		Medium
				Basis								Remarks	
3	6429	5	Υ	NOOKACHAMPS CREEK	LZ60MT	0	34N	04E	04		Temperatur	e	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03N01 (Nookachamps nr mouth).	of daily max	ximum va	llues of	24.3 fc	or wee	k ending 15 A	ugust 2001 at		
				Skagit Stream Team unpublished data show excursions beyond the criterion in 2002.									
3	39644	5	N	NOOKACHAMPS CREEK, E.F.	DV97DN	0.895	34N	04E	11		Dissolved o	xygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	and 2001.								
3	6423	5	N	NOOKACHAMPS CREEK, E.F.	DV97DN	5.618	34N	05E	19		Temperatur	e	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03EF02 (E. F. Nookachamps at Beav).	of daily max	ximum va	llues of	19.3 fc	or wee	k ending 15 A	ugust 2001 at		
3	6424	5	Υ	NOOKACHAMPS CREEK, E.F.	DV97DN	0.895	34N	04E	11		Temperature	е	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03EF01 (E. F. Nookachamps at SR9).	of daily max	ximum va	llues of	20.1 fc	or wee	k ending 15 A	ugust 2001 at		
				Skagit Stream Team unpublished data show no excursions beyond the criterion from measure	irements co	llected 19	99-200	2.					
3	39661	5	N	OTTER POND CREEK	GK78TY	0	34N	04E	25		Fecal Colifo	orm	Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	1999.								
3	6432	5	N	OTTER POND CREEK	GK78TY	0	34N	04E	25		Temperatur	e	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03U02 (Unkn Trib at Otter Pond R).	of daily max	ximum va	llues of	18.8 fc	or wee	k ending 23 J	une 2001 at		
				Skagit Stream Team unpublished data show no excursions beyond the criterion from measure	irements co	llected 19	99-200	2.					
				Skagit System Cooperative data (submitted by Bob LaRock on 10/30/97) show 5 excursions Otter Pond Road during 1997.	beyond the	e criterion	on Otte	er Pon	d Cree	ek (WDF# 03.0	0256) below		
3	13258	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL	390KRD	48122E	517	48.48	8 5	122.575	BENZO(A)A	NTHRACENE	Tissue
				Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 l	Littleneck cl	am soft-p	arts on	1 June	1999				
3	13294	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL	390KRD	48122E	517	48.48	B5	122.575	Chrysene		Tissue
				Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 l	Littleneck cl	am soft-p	arts on	1 June	e 1999				

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nforma	ation				Parameter	Remarks	Medium
				Dabib								Remarks	
3	13295	5	N	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL	390KRD	481	22F5A6	48.	505	122.565	Chrysene		Tissue
				Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 50 n	nussel soft-	-parts	on 1 Jui	ne 1999					
3	6430	5	Υ	RED CREEK	TL30EW	0	35	N 05E	17		Temperatur	e	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03U04 (Red Creek nr Hwy 20).	of daily ma	ximum	values	of 26.7	for wee	ek ending 15 /	August 2001 at		
3	40583	5	N	SAMISH BAY	390KRD	481	22F4G5	48.	565	122.455	Fecal Colifo	orm	Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially of Growing Area Review ending December 1996).	on data fron	n statio	on 13 th	at excee	ed the o	criterion (from	the Annual		
3	40584	5	N	SAMISH BAY	390KRD	481	22F4G8	48.	565	122.485	Fecal Colifo	orm	Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially of Growing Area Review ending December 1996).	on data fron	n statio	on 18 th	at excee	ed the o	criterion (from	the Annual		
3	40585	5	N	SAMISH BAY	390KRD	481	22F4G7	48.	565	122.475	Fecal Colifo	orm	Water
				Department of Health Prohibited Commercial Shellfish Area at Samish Bay based partially of Growing Area Review ending December 1996).	on data fron	n statio	on 19 th	at excee	ed the o	criterion (from	the Annual		
3	17366	5	N	SAMISH LAKE	O54FYG	37N	03E	26			Total PCBs		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cu	tthoat trout	collec	ted in 2	001.					

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Remarks

SAMISH RIVER Υ 16412

NN50EA 14.983 35N 04E 06

Fecal Coliform

TRS updated from 1998 List, was 35N-04E-06 -kk

Medium

Water

Hallock (2004), Dept. of Ecology ambient station 03B050 shows 2 of 11 samples (18.2%) in year 2002 exceeded the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 69 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 47 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 75 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 79 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 177 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 145 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 75 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 117 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B050 (Samish R. near Burlington) shows a geometric mean of 167 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1993.

SAMISH RIVER 3 16413 5 Ν

NN50EA 5.487 35N 03E 15

Fecal Coliform

Water

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 89 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.: Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R, near Mouth) shows a geometric mean of 56 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1999.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.: Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B045 (Samish R. near Mouth) shows a geometric mean of 110 exceeds the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.

Skagit Stream Team unpublished data show the geometric mean criterion was not exceeded in samples collected from 1999-2001.

16414 Ν SAMISH RIVER

NN50EA 30.566 36N 04E 24

Fecal Coliform

Water

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B080 (Samish R. near Prairie) shows a geometric mean of 124 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 03B080 (Samish R. near Prairie) shows a geometric mean of 106 exceeds the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1995.

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WRIA	Listing ID Category	98 List?	Waterbody Name Basis	Location Ir	nformation	1				Parameter Remarks	Medium
3	39646 5	N	SAMISH RIVER Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	NN50EA 2000 and 2	-	35N	03E	99		Fecal Coliform	Water
3	15910 5	N	SAMISH RIVER Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between station 03B080 (Samish R. nr Prairie) and the downstream station 03B045 (Samish R. nr Me				03E the diff	-	e between the	Turbidity upstream	Water
3	15911 5	N	SAMISH RIVER Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between station 03B080 (Samish R. nr Prairie) and the downstream station 03B050 (Samish R nr Bu				-		e between the	Turbidity upstream	Water
3	7170 5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria a	390KRD are exceede	48122D 4d out of 6		48.33 es at s	-	122.445 HALD during 1	Fecal Coliform 992.	Water
3	7171 5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria a	390KRD are exceede	48122D 4		48.33 es at s	-	122.415 BRWD during	Fecal Coliform 1992.	Water
3	7172 5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria a	390KRD are exceede	48122D 3ed out of 6		48.32 es at s	-	122.395 DRYD during	Fecal Coliform 1992.	Water
3	7173 5	Y	SKAGIT BAY AND SIMILK BAY Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show both criteria a	390KRD are exceede	48122D :		48.31 es at s		122.385 WILD during 1	Fecal Coliform 992.	Water
3	14036 5	N	SKAGIT RIVER Hopkins et al, 1985, show excursions beyond the National Toxic Rule criterion in a multiple f whitefish samples collected in 1984.	SV53RP ish compos	12.46 ite of edibl		04E ie of Bi		o sucker and M	Total PCBs fountian	Tissue
3	12367 5	N	SWINOMISH CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 20 o	BN62VR oyster soft-		-	02E 1999.	99		BENZO(A)ANTHRACENE	Tissue
3	12371 5	N	SWINOMISH CHANNEL Johnson, 2000. show the National Toxic Rule criterion was exceeded in a composite of 20 of the	BN62VR oyster soft-		34N June	02E 1999.	99		Chrysene	Tissue

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WRIA	Listing ID Catego	ory 98	8 List?	Waterbody Name	Location Ir	nformation	า			Parameter	Medium
				Basis						Remarks	
3	39658	5	N	THOMAS CREEK	IO78KZ	0	35N	04E	18	Fecal Coliform	Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	1999.						
3	6431	5	Υ	TURNER CREEK	EI77IQ	1.402	34N	05E	18	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03T01 (Turner Creek at Beaver La).	of daily max	imum val	ues of	18.4 fc	or week ending 15 Au	ugust 2001 at	
3	39666	5	N	UNNAMED CREEK	SN87OD	0.091	35N	03E	06	Dissolved oxygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	2001 and 20	002.					
3	39662	5	N	UNNAMED CREEK	GC08NY	0	34N	04E	15	Fecal Coliform	Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	1999 and 2	002.					
3	6433	5	N	UNNAMED CREEK	IL210S	0.26	34N	04E	11	Temperature	Water
				Department of Ecology unpublished data from the Skagit TMDL Study shows a 7-day mean station 03CL01 (Unkn Trib from Clear Lake).	of daily max	imum val	ues of	21 for	week ending 23 Jun	e 2001 at	
3	39669	5	N	UNNAMED CREEK	SN87OD	0.091	35N	03E	06	Temperature	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 2000, 2001 a	and 2002.						
3	39672	5	N	UNNAMED SLOUGH	BW07YZ	1.668	35N	03E	34	Dissolved oxygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	2001 and 20	002.					
3	39673	5	N	UNNAMED SLOUGH	AU64DK	0.709	35N	03E	05	Dissolved oxygen	Water
				Skagit Stream Team unpublished data show excursions beyond the criterion in 1999, 2000,	2001 and 20	002.				,,	
3	39671	5	N	UNNAMED SLOUGH	AU64DK	0.709	35N	03E	05	Fecal Coliform	Water
				Skagit Stream Team unpublished data show the geometric mean criterion was exceeded in	1999, 2000	and 2002	2.				
3	7177	5	Υ	WILEY SLOUGH	EE73RP	0.014	33N	03E	26	Fecal Coliform	Water
				Skagit System Cooperative data (submitted by Bob La Rock on 9-20-93) show the percentile	e criteria is e	xceeded	out of	6 samp	oles at station WILU	during 1992.	

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name L	ocation Ir	nformatio	า			Parameter	Medium	
				Basis							Remarks	
4	42075	5	N		G10IX	_		10E		Fecal Colifor		
				Sauk-Suiattle Indian Tribe data (submitted by Brent Wells on 3/15/04), station (Prairie Creek 1) percentile criterion; station (Prairie Creek 2), shows the geometric mean of 51.01 exceeded the percentile criterion and the geometric mean of 74.14 exceeded the criterion while 4 of 8 sample	criterion	while 2 c	f 5 sam	ples (4	40%) c	ollected in 2002 exceed the		
5	6444	5	N	CANYON CREEK	RR46TS	1.488	30N	07E	06	Temperature	e Water	
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day m 2001 at station 05C01 (Canyon Creek nr mouth).	nean of da	aily maxin	num val	ues of	20.6 fc	r week ending 15 August		
5	15568	5	N	CANYON CREEK	RR46TS	0	30N	06E	12	Temperature	e Water	
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.99 a	t the stati	on 77 (Ca	anyon C	Creek r	near m	outh) in 2001.		
5	15569	5	N		RR46TS		30N	-		Temperature	e Water	
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.72 a	t the stati	on 43 (Ca	anyon C	Creek (@ Mas	onic Park) in 2001.		
5	9777	5	N	COOK SLOUGH	C37MN	0.136	31N	04E	01	Fecal Colifor	orm Water	
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH T shows the geometric mean of 132 exceeds the criterion and that 60 % of the samples exceeds Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TI shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples do during 2000.	the perce MDL) stati	entile crite ion 05TC	erion fro	m 5 sa COOK	amples SLOU(collected during 2001. BH AT HWY 530 BRIDGE)		
5	6454	5	Υ	DEER CREEK	A13UD	0.049	32N	07E	08	Temperature	e Water	
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day m 2001 at station 05D01 (Deer Creek at Bunker house).	nean of da	aily maxin	num val	ues of	21.5 fc	r week ending 15 August		
5	6455	5	Y	DEER CREEK	A13UD	21.599	34N	07E	35	Temperature	e Water	
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day m 2001 at station 05D03 (Deer Creek abv Little Deer).	nean of da	aily maxin	num val	ues of	22.6 fc	r week ending 15 August	TRS updated from 1998 List, was 34N-07E-36kk	
5	7188	5	N	DEER CREEK	A13UD	25.16	33N	07E	01	Temperature	e Water	
				Sullivan, et al. 1990., multiple excursions beyond the criterion at RM 14 during 8/88.							Continuous temperature measurements were taken, but dat were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998	

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segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location	Informatio	n			Parameter	Medium Remarks
5	21970	5	N	GLADE BEKKEN Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected.		0.762 Y GARDE				Fecal Colifo	rm Water
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY cfu/100mL with 50% of samples exceeding the percentile criterion from 8 samples collected	/ WAVERL	Y GARDE	NS NU	RSER	Y) shows a geometri	ic mean of 158	
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected		Y GARDE	NS NU	RSER	Y) shows a geometri	ic mean of 127	
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected		Y GARDE	NS NU	RSER	Y) shows a geometri	ic mean of 125	
				Snohomish County unpublished data from station TR30 (ON SILVANA TERRACE ROAD BY cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected		Y GARDE	NS NU	RSER	Y) shows a geometri	ic mean of 81	
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the criterion and that 0 $\%$ of the samples does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILTMDL (STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the project STILLAGUAMISH mean of 21 does not exceed the 21 does not e		ition 05TG	iLAD (G	SLADE	BEKKEN) shows the	e geometric	
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH mean of 1952 exceeds the criterion and that 100 % of the samples exceeds the percentile cr		ition 05TG	iLAD (G	SLADE	BEKKEN) shows the	e geometric	
5	7198	5	Υ	HIGGINS CREEK	BH79GG	1.583	32N	07E	20	Temperature	e Water
				Sullivan, et al. 1990, 22 excursions beyond the criterion during 8/88.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
5	43042	5	N	IRVINE SLOUGH	HS19KT	0	32N	03E	24	Fecal Colifo	rm Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH the geometric mean of 1329.86 exceeds the criterion and that 6 of 6 samples (100.0%) exceeded the percentile criterion in year 2000.	TMDL) stat eded the p	tion 05TIR ercentile (VIN (IR criterion	VINE : in yea	SLOUGH AT TIDE G r 2001; and 3 of 3 sa	SATE) shows amples	
5	6445	5	N	JIM CREEK	JU33JU	0	31N	06E	07	Temperature	e Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05J01 (Jim Creek at mouth).	mean of d	aily maxir	num va	lues of	19.5 for week endin	g 15 August	
5	15570	5	N	JIM CREEK	JU33JU	0.174	31N	06E	08	Temperature	e Water
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 19.47	7 at the sta	tion 59 (Ji	m Cree	k @ Jo	ordan Rd.) in 2001.		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH excursions beyond the criterion out of 4 samples collected between 08/00 - 11/01.	TMDL) sta	ition 05TJ	IMCK (JIM CR	EEK AT JORDAN R	OAD) shows 0	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	on			Parameter	Remarks	Medium
5	15571	5	N	JIM CREEK Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.98		4.411 on 160 (Temperature	•	Water
5	7238	5	Y	JORGENSON SLOUGH (CHURCH CREEK) Paulsen et al. 1991, 4 excursions beyond the criterion at RM 4.0, measured between 9/89 a	GH05SX and 5/91.	6.581	32N	04E	16	Dissolved o	Referenced data or administrative reco	Water In dissolved oxygen is not in the ord. The water segment is listed as on the 1998 assessment.
5	9780	5	N	KACKMAN CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows the geometric mean of 252 exceeds the criterion and that 25 % of the samples exceed Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples of during 2000.	ds the perce TMDL) stat	ion 05Tk entile crit ion 05Tk	KACK (Action from KACK (Action)	om 4 sa AT KAC	KMAN CREEK ON 2 amples collected dur KMAN CREEK ON 2	ing 2001. 252 ST NE)	rm	Water
5	9239	5	N	KACKMAN CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows 3 excursions beyond the criterion out of 6 samples collected between 08/00 - 11/0		_	-	05E AT KAC		pH 252 ST NE)	Low pH	Water
5	6456	5	Y	LITTLE DEER CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05LD01 (Little Deer at mouth). Sullivan, et al. 1990, 15 excursions beyond the criterion during 8/88.	EX67XM mean of da	_	-	07E alues of		Temperature g 15 August	•	Water
5	9781	5	N	MARCH CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH geometric mean of 799 exceeds the criterion and that 75 % of the samples exceeds the perconduction Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the criterion and that 0 % of the samples does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 does not exceed the project STILTMDL (STILLAGUAMISH TMDL) station mean of 48 d	entile criter n 05TMARS	ion 05TN on from H (MOU	//ARSH 8 samp TH OF	lès coll MARC	TH OF MARCH CRE ected during 2001. H CREEK) shows th	Data from the e geometric	•	Water
5	9784	5	N	MILLER CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH geometric mean of 1282 exceeds the criterion and that 100 % of the samples exceeds the pet the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) statement of 123 exceeds the criterion and that 50 % of the samples exceeds the percentile criterion.	ercentile crit tion 05TMII	ion 05TN erion fro LLR (MO	AILLR (m 5 sa OUTH O	mples o	OF MILLER CREE ollected during 2001 OR CREEK) shows to	. Data from	rm	Water

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Info	ormation	1			Parameter	Remarks	Medium
5	15559	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 24.8 and 24.8 are still as a shown a 24.8 are still as a shown a 24.8 are still as a 24.8 are still	QE93BW at the station		32N d Stillag			Temperature	V	Vater
5	15560	5	N	OLD STILLAGUAMISH RIVER Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 23.24 2001. Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.41 2001.		n 90 (Ol		juamis	h Channel @ Peter	3 /	`	Nater
5	8230	5	N	OLD STILLY CHANNEL, WEST PASS Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH geometric mean of 189.32 exceeds the criterion and that 2 of 6 samples (33.3%) exceeded the		n 05TWE		EST P	ASS AT HWY 532 I			
5	9789	5	N	PILCHUCK CREEK Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH RD) shows the geometric mean of 76 does not exceed the criterion and that 12 % of the sam 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH GULCH RD) shows the geometric mean of 144 exceeds the criterion and that 25 % of the saduring 2001. Snohomish County unpublished data from station PILC (NEAR MOUTH ON JACKSON GUL samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish Co JACKSON GULCH ROAD) shows a geometric mean of 67 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish Co JACKSON GULCH ROAD) shows a geometric mean of 23 cfu/100mL with 8% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish Co JACKSON GULCH ROAD) shows a geometric mean of 23 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 2001.	ITMDL) station in the property of the property	s the per L) station ds the p hows a general hows a general hows a general data the percenting the percent per	geometra from stille criter geometra from sta fr	ILCHU criteric ILCH (e criteric ric mea station froic mea station froic froic ion froic	ICK CREEK @ JAC on from 8 samples of PILCHUCK CREEK rion from 4 samples an of 26 cfu/100mL PILC (NEAR MOU om 11 samples colle an of 50 cfu/100mL on PILC (NEAR MOU m 12 samples colle	collected during (@ JACKSON collected with 29% of TH ON ected in 2000. with 18% of JTH ON cted in 1999.	m v	Nater
5	6447	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05P04 (Pilchuck Creek blw Bear C).		25.759 y maxim				Temperature g 15 August	١	N ater
5	6448	5	N	PILCHUCK CREEK Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05P02 (Pilchuck Creek at SR9).		7.78 y maxim	32N um valu			Temperature g 15 August	V	Nater

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WRIA	Listing ID Category	y 98 List?	Waterbody Name	Location I	nformatio	า			Parameter	Medium
			Basis						Remarks	
5	6449 5	Υ	PILCHUCK CREEK	VJ74AO	0.155	32N	05E	31	Temperature	Water
			Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05P01 (Pilchuck Creek at I-5).	mean of da	aily maxin	num val	lues of	f 21.7 for week endi	ng 15 August	
			Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH RD) shows 0 excursions beyond the criterion out of 13 samples collected between 08/00 - 1		on 05TPI	LCH (P	ILCHU	JCK CREEK @ JAC	CKSON GULCH	
5	6450 5	N	PILCHUCK CREEK	VJ74AO	17.203	33N	05E	27	Temperature	Water
			Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05P03 (Pilchuck Creek blw Crane).	mean of da	aily maxin	num val	lues of	f 22.4 for week endi	ng 15 August	
5	8638 5	Υ	PORTAGE CREEK	ОТ80ТҮ	4.938	31N	05E	17	Turbidity	Water
			Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 3.7 during the wet	season in 1	989.					
5	8639 5	Υ	PORTAGE CREEK	OT80TY	11.548	31N	05E	11	Turbidity	Water
			Plotnikoff and Michaud, 1991. Turbidity standards were exceeded at RM 7.3 during both the	dry and we	t season	in 1989				
5	8231 5	N	SOUTH PASS SLOUGH	UJ01AO	0	32N	03E	99	Fecal Coliform	Water
			Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH of 50 exceeds the criterion and that 100 % of the samples exceeds the percentile criterion fit Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TSO criterion and that 100 % of the samples exceeds the percentile criterion from 2 samples collections.	rom 21 sam UTH (SOUT	ples colle H PASS)	cted du	iring 20	001. Data from the	e Dept. of	
5	6452 5	N	STILLAGUAMISH RIVER	KP14NJ	0	31N	04E	02	Temperature	Water
			Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05M02 (Mainstern Stilly at Larson).	/ mean of da	aily maxin	num val	lues of	f 21.4 for week endi	ng 15 August	
5	6453 5	N	STILLAGUAMISH RIVER	QE93BW	17.221	31N	04E	02	Temperature	Water
			Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05M03 (Mainstem Stilly at Norman).	mean of da	aily maxin	num val	lues of	f 21.8 for week endi	ng 15 August	

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WRIA L	isting ID Cate	gory	98 List?	Waterbody Name Basis	Location Inf	formation			Parameter	Remarks	Medium
5	6565	5	Y	STILLAGUAMISH RIVER Dept. of Ecology unpublished data from core ambient monitoring station 05A070 (Stillaguam of 21.6 for mid-week 12 August 2001.		23.077 31N Silvana) show			Temperature		Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (STILLAGUAMISH RIV 61 samples collected between 1993 - 2001	ER NEAR SI	ILVANA) sho	ows 4 excu	rsions beyond the	criterion out of		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH MOUTH) shows 0 excursions beyond the criterion out of 1 samples collected between 08/00		on 05TPILUP	(UPSTRI	EAM OF PILCHUCK	K CREEK		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows 1 excursions beyond the criterion measured on these dates: 01/07/12,	TMDL) station	on 05TMS11	(MAIN ST	ILLY CHANNEL AT	T I-5 BRIDGE)		
5	7244	5	Υ	STILLAGUAMISH RIVER	QE93BW	35.996 31N	N 05E	02	Temperature		Water
				Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR A measurements collected in 1998.	ARLINGTON)) show excurs	sions beyo	nd the criterion from	m		egory 2 to Category 5 on 01/21/05 due to Listing ID 40802 (cat 2) and
reassessn	nent.									-kk	
				Thornburgh, 1996, 3 excursions beyond criterion out of 38 samples (8%) at station MSAR be	etween 1992	and 1997.				Information submitt	ed in 1996 is insufficient to support a
reference.				Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILL	AGUAMISH	TMDL) station	n 05TCOl	NFL (CONFLUENC	E OF N AND S		
TOTOTOTIOC.				STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11.							m excursion in 2001 is for one year only
				Unpublished data from the Dept. of Ecology EIM database for the Project STILTMDL (STILL STILLY FORKS) shows 1 excursions beyond the criterion measured on this date: 01/07/11.	LAGUAMISH	I TMDL) static	on 05TMI)	ZO (MIXING ZONE	E OF N AND S	9/02) for showing p	the WQ Program Policy 1-11 (updated errorsistent temperature impairment. Listing sters of concern category until further
study										and monitoring ind	licates the status of the water.
5	6446	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	0 311	N 05E	02	Temperature		Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05NF02 (N.F. Stilly abv Cicero br).	mean of dai	ily maximum v	values of 2	22.1 for week endin	ng 15 August		
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 21.69 (Thermograph site)) in 2001.	9 at the statio	on 119 (N.F. S	Stillaguam	ish (Twin Rivers Pa	ark)		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH PARK) shows 1 excursions beyond the criterion measured on these dates: 01/07/11,	l TMDL) stati	ion 05TNFTW	VI (N FOR	K STILLY @ TWIN	RIVERS		
5	6457	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	54.765 32N	N 09E	10	Temperature		Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05NF06 (N.F. Stilly nr FR28).	mean of dai	ily maximum v	values of	18 for week ending	15 August		
5	6458	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	60.643 33N	N 09E	22	Temperature		Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05NF07 (N.F. Stilly abv Crevice C).	/ mean of dai	ily maximum v	values of	19.6 for week endin	ng 15 August		

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	5	Medium
				Basis							Remarks	
5	6567	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	15.141	32N	06E	15	Temperature	е	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 05B070 (Stillaguam values of 20.7 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Morout of 50 samples collected between 1993 - 2001	nish R. N.F. nitoring Stat	at Cicerd ion 05B07) shov 70 (N)	vs a 7- shows	day mean of dail 0 excursions be	y maximum yond the criterion		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH BRIDGE) shows 0 excursions beyond the criterion out of 9 samples collected between 08/			NFCIC ((NORT	TH FORK STILLY	@ CICERO		
5	6568	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	47.792	32N	09E	07	Temperatur	е	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 05B110 (Stillaguam values of 18.2 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Mo DARRINGTON) shows 0 excursions beyond the criterion out of 49 samples collected between	nitoring Sta	tion 05B1						
5	15567	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	26.448	32N	07E	10	Temperature	e	Water
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.0	4 at the stat	ion 14 (N	F Stilla	guamis	sh @ Whitman Bı	ridge) in 2001.		
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows 0 excursions beyond the criterion out of 10 samples collected between 08/00 - 11/		ation 05TN	NFWHI	(N FO	RK STILLY @ W	HITMAN BRIDGE)	
5	15572	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	33.737	32N	08E	06	Temperatur	e	Water
_				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 18.6			-			•		
5	15912	5	N	STILLAGUAMISH RIVER, N.F.	WO38NV	15.141	32N	06E	15	Turbidity		Water
				Hallock, 2002. shows 33 excursions beyond the criterion out of 56 samples collected betwee station 05B110 (NF Stillaguamish nr Darring.) and the downstream station 05B070 (NF Still				the d	ifference betwee	n the upstream		
5	6451	5	N	STILLAGUAMISH RIVER, S.F.	SN06ZT	7.659	31N	06E	18	Temperature	е	Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05SF02 (S.F. Stilly at River Mead).	mean of d	aily maxin	num va	lues of	f 22.1 for week er	nding 15 August		
5	6459	5	N	STILLAGUAMISH RIVER, S.F.	SN06ZT	45.236	30N	08E	16	Temperature	е	Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05SF05 (S.F. Stilly at Verlot).	mean of d	aily maxin	num va	lues of	f 21.3 for week er	•		

Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 20.93 at the station 166 (S.F. Stillaguamish at Bridge above Benson Creek) in 2001.

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WRIA	Listing ID Category		98 List?	Waterbody Name Basis		nformatior	ı			Parameter	Remarks	Medium
				Dasis							Remarks	
5	6460	5	N	STILLAGUAMISH RIVER, S.F.	SN06ZT	42.604	30N	08E	08	Temperature	•	Water
				Department of Ecology unpublished data from the Stillaguamish TMDL Study shows a 7-day 2001 at station 05SF04 (S.F. Stilly at Robe).	mean of da	aily maxim	um valı	ues of	23.4 for week endir	g 26 July		
5	6566	5	Y	STILLAGUAMISH RIVER, S.F.	SN06ZT	0	31N	05E	02	Temperature	•	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 05A090 (Stillaguam values of 22.6 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monout of 50 samples collected between 1993 - 2001								
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows 1 excursions beyond the criterion measured on these dates: 01/07/11,	TMDL) stati	on 05TSF	TWI (S	FORK	(STILLY @ TWIN F	RIVERS PARK)		
				Stillaguamish Tribe unpublished data shows a 7-day mean of daily maximum values of 22.54 (Thermograph site)) in 2001.	at the stat	ion 115 (S	.F. Still	aguam	nish (Twin Rivers Pa	ırk)		
5	10587	5	Υ	STILLAGUAMISH RIVER, S.F.	SN06ZT	26.213	30N	07E	07	Temperature	•	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A110 (S. FORK STILLY NEAI 49 samples collected between 1993 - 2001 measured on these dates: 95/07/18, 96/07/23, 97		FALLS)	shows 3	3 excu	rsions beyond the c	riterion out of		
5	40865	5	Υ	SUNDAY LAKE	350KXK	32N 0	4E 26	6		Total Nitrog	en	Water
				Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) are and phosphorus in the summer. The reference identifies nutrient sources from septic system watershed.								
5	8637	5	Υ	SUNDAY LAKE	350KXK	32N 0	4E 26	6		Total Phosp	horus	Water
				Rector, 1996, describes impairment of aesthetic uses (odor and excessive aquatic plants) are and phosphorus in the summer.	nd fisheries.	The lake	produc	ctivity is	s limited by nitroger	in the spring	phosphorus, only p	luctivity is limited by both in hosphorus is listed as the nass in freshwater. Since
				Consider and Direc (4005) above a common and linear title total about a common and 47.	/	 		-1 01	anda Tuankia Otata			al bar automobile aleal acce

Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 17 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.

While the lake productivity is limited by both nitrogen and phosphorus, only phosphorus is listed as the favored nutrient to control algal biomass in freshwater. Since atmospheric nitrogen can be fixed by eutrophic algal species, the strategy of managing total phosphorus is the prefered management option supported in the literature.

Smohomish County's 2003 State of the Lakes Report identifies the lake as "impaired" and in need of restoration because of the nuisance algae and excessive aquatic plants. Summer epilimnetic total phosphorus concentrations are

often exceeding 40 ug/l, hypolimnion values often exceed 100ug/l. The lake suffers from regular, nuisance algal

in response to elevated nutrient levels.

high,

blooms

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location	Informa	ition				Parameter		Medium
				Basis								Remarks	
5	8227	5	N	UNNAMED CREEK	IE90YH	0.00	4 31	N O)4E	07	Fecal Colifo	rm	Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH BEACH) shows the geometric mean of 54 does not exceed the criterion and that 27 % of the during 2001.									
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows the geometric mean of 49 does not exceed the criterion and that 0 % of the samples during 2001.									
5	43046	5	N	UNNAMED CREEK	IE90YH	0.00	4 31	N O)4E	07	Fecal Colifo	rm	Water
				Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH shows the geometric mean of 220.78 exceeds the criterion and that 6 of 10 samples (60.0%)							SLOUGH)	aka WARM BEACH	1
6	43162	5	N	LONE LAKE	096RNO	29N	03E	07			Dioxin		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 10/15/2001 at location (N.W. Shore).	ule criterion	n in Rai	nbow Tr	rout c	compo	site samples collec	cted on		
6	10143	5	Υ	PENN COVE	390KRD	4812	2C6D7	7 4	18.235	122.675	Dissolved o	cygen	Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PNN001 (Penn Cove Park 28 samples collected between 1993-2000	(Whidbey	Island)) shows	s 24 e	excurs	ions beyond the cri	iterions out of	natural conditions, sources appear to d	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ton Category 5 (Grantham memo,
4/2005)												listing should be let	t on Category 5 (Crantham memo,
6	10144	5	N	PENN COVE	390KRD	4812	2C6D7	7 4	18.235	122.675	рН		Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PNN001 (Penn Cove Park 18 samples collected between 1993-2000	(Whidbey	Island)) shows	s 3 ex	cursic	ons beyond the crite	erions out of		
7	41971	5	N	ALLEN CREEK	XO13OJ	0	16	N 0)2W	06	Ammonia-N		Water
				Erickson, D. and Matthews, W., (2002), station BECM2.6T shows a total of 4 samples in year 1 sample in year 1998 exceeded the acute criterion.	rs 1998, 19	999, an	d 2000	excee	eded	the chronic criterior	n and a total of		
7	7260	5	Υ	ALLEN CREEK	QC54KA	1.97	5 30	N 0)5E	11	Dissolved of	kygen	Water

Thornburg, 1996, 52% of samples collected between 1992 - 1995 show excursions beyond criterion at station ACLU.

Johnson et al. 2001 show excursions beyond the criterion at station ACLU in 2000.

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7 7261 5 Y ALLEN CREEK

YT94RF 1.692 30N 05E 28 Dissolved oxygen

Water

Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) show excursions beyond the criterion from measurements collected 1998-2002

Johnson et al. 2001 show excursions beyond the criterion at station ACLD in 2000 and 2001.

Cusimano (1997) station Snodry25 (Allen Creek (ALL20)) shows 3 excursions beyond the criterion measured on these dates: 93/08/16, 96/08/27, 96/08/28.

Thornburg, 1996, 97% of samples collected between 1992 - 1995 show excursions beyond criterion at station ACLD.

7 40742 5 N ALLEN CREEK

QC54KA 1.975 30N 05E 11

Dissolved oxygen

Water

Snohomish County unpublished data from station ACLU (AT 67TH AVE NE AND 112TH ST NE.) show excursions beyond the criterion from measurements collected 1998-2002.

7 35163 5 N BEAR CREEK

PU11QS 3.676 28N 08E 23

Temperature

Water

Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 19.95 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 20.77 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 21.06 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 18.25 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station BC4 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 23.3 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 22.93 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station BC5 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 20.28 degrees C from continuous measurements collected in 1999.

7 35165 5 N BEAR CREEK

PU11QS 4.749 28N 08E 22

Temperature

Water

Port Blakely Tree Farms unpublished data from station BC6* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 25.33 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station BC6* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 24.9 degrees C from continuous measurements collected in 2001.

Port Blakely Tree Farms unpublished data from station BC6 (submitted by Blake Murden on 10 December 2002) shows 1 excursion beyond the criterion from measurements collected in 2001.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformat	ion			Parameter		Medium
				Basis							Remarks	
7	35166	5	N	BEAVER CREEK	QQ44SO	0	28N	I 08E	24	Temperature		Water
				Port Blakely Tree Farms unpublished data from station BV1* (submitted by Blake Murden on of 18.81 degrees C from continuous measurements collected in 2002.	10 Decem	eber 20	02) sho	ws a 7-d	lay mean of daily max	kimum values		
				Port Blakely Tree Farms unpublished data from station BV1* (submitted by Blake Murden on of 17.44 degrees C from continuous measurements collected in 2001.	10 Decem	eber 20	02) sho	ws a 7-d	lay mean of daily max	ximum values		
				Port Blakely Tree Farms unpublished data from station BV1 (submitted by Blake Murden on measurements collected in 2001-2002.	10 Deceme	eber 200)2) shov	ws no ex	cursions beyond the o	criterion from		
7	6312	5	Υ	BLACKMANS LAKE	010QMB	28N	06E	07		Fecal Colifor	m	Water
				Completed Phase I State Clean Lakes Restoration Project in 1994 : KCM, 1994. , study documented high fecal coliform numbers.							hardcopy form. The based on the 1998 a more than 10 years removing the listing.	were previously submitted only in water segment is listed as Category 5 assessment. Although these data are old, there are no recent data to justify Excess waterfowl continue to be a and may be one source of high bacterial
7	6313	5	Υ	BLACKMANS LAKE	010QMB	28N	06E	07		Total Phosph	norus	Water
				Completed Phase I State Clean Lakes Restoration Project in 1994. KCM, 1994, study documented dense algal blooms, low dissolved oxygen in the hypolimnion numbers. Storm water runoff contributes 55% of the phosphorus loading. Summertime, in-lasource. Watershed controls and in-lake alum treatments are recommended for a Phase II restored.	ke release	of phos	s and w sphorus	ildlife ha from bo	bitat, and high fecal c ttom sediments is a s	coliform significant	identifies the lake as epilimnetic total pho consistently exceed in the hypolimnion.	s 2003 State of the Lakes Report s "at risk" of impairment. Summer sphorus concentrations do not 20ug/l, however, TP levels are elevated The lake suffers from nuisance algal
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 8 ug quality standards nutrient criterion for the Puget Lowlands Ecoregion.	/L from sar	nples co	ollected	in 1981	which does not excee	ed the water	blooms in response	to elevated nutrient levels.
				Snohomish County unpublished data show summer mean epilimnetic total phosphorus did no collected between 1996-2002.	ot exceed t	he wate	r qualit	y standa	rds nutrient criterion f	rom samples		
7	43225	5	N	CALLIGAN LAKE	838LCW	25N	09E	33		ALPHA-BHC		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	le criterion	in Rain	bow Tro	out comp	osite samples collect	ed on		
7	43233	5	N	CALLIGAN LAKE	838LCW	25N	09E	33		Dioxin		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	le criterion	in Rain	bow Tro	out comp	osite samples collect	ed on		
7	43251	5	N	CALLIGAN LAKE	838LCW	25N	09E	33		Total PCBs		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru 07/17/2002 at location (Specific Location For Individual Fish Not Recorded).	le criterion	in Rain	bow Tro	out comp	osite samples collect	ed on		

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WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Medium Remarks
7	7395	5	N	CATHERINE CREEK Snohomish County unpublished data from station CATH (AT MOUTH) show excursions beyond Cusimano (1997) station CCDN (CATHERINE CREEK (CCDN)) shows 0 excursions beyond		erion fron	n meas		nts collected 1999-20		
7	43094	5	N	DOROTHY LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics R at location (East Shore).	730XIF ule criterion	24N in Brook			ite samples collected	Dioxin d on 09/20/200	Tissue
7	40625	5	Y	EBEY SLOUGH Cusimano (1997) station Snodry27 (Ebey Slough (EBE27)) shows 0 excursions beyond the Two excursions beyond the criterion at Ecology ambient monitoring station PSS020 on 5/11		of 4 san	30N nples c		-	pH /96.	Water
7	7272	5	Y	FRENCH CREEK Thornburgh, et al. 1991., 14 excursions beyond the criterion at RM 4.75, between 8/87 and	XZ24XU d 11/90.	6.452	28N	06E	27	Dissolved o	oxygen Water
7	7276	5	Y	FRENCH CREEK Thornburgh, et al. 1991., 67 excursions beyond the criterion at RM 1.5 between 8/87 and 1 Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) setween 1993 - 2001 measured on these dates: 95/10/16, 95/11/19, 95/12/17, 96/07/22, 96/	shows 5 exc	1.974 ursions b		06E the crit		Dissolved o es collected	oxygen Water
7	40743	5	N	FRENCH CREEK Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLII excursions beyond the criterion from measurements collected 1998-2002. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WES measurements collected 1998-2002.			OLD S		MISH MONROE HW	,	oxygen Water
7	7273	5	N	FRENCH CREEK Thornburgh, et al. 1991, 32 excursions beyond the criterion out of 58 samples at RM 1.5 bet	XZ24XU ween 8/87 a	1.974 and 11/90	28N O.	06E	29	рН	Water

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) shows 0 excursions beyond the criterion out of 6 samples collected between 1993 - 2001.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nforma	ation				Parameter	Medium
				Basis								Remarks
7	40748	5	N	FRENCH CREEK	XZ24XU	9.65	53 2	28N	06E	23	рН	Water
				Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLIN excursions beyond the criterion from 54 measurements collected 1998-2002. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WEST measurements collected 1998-2002.							,	
7	9273	5	N	FRENCH CREEK	XZ24XU	0	:	28N	06E	30	Temperatur	re Water
				Snohomish County data (submitted by Kathy Thornburgh on 10/27/97) show that the criterior pumping station just upstream of the mouth.	n was exce	eded 4	43% c	of the	days b	oetwe	en 5/95 and 9/95 at the	Snohomish County moved from Listing ID 7407 causing the listing to move to Category 5. 9/28/04 -kk
				Cusimano (1997) station Snodry12 (French Creek (FRN12)) shows 2 excursions beyond the	criterion m	neasur	ed on	these	e dates	s: 96/	08/27, 96/08/28,	
7	10640	5	N	FRENCH CREEK	XZ24XU	1.97	74 2	28N	06E	29	Temperatur	re Water
•				Unpublished data collected by Snohomish County (submitted by Kathy Thornburgh on 10/27, 5/95 and 9/95 about 2 river miles downstream of the Highway 2 bridge.	/97) show t	that the	e crite	erion v	vas ex	ceed	ed 38% of the days between	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr nr Mouth) s between 1993 - 2001	hows 0 exc	cursion	ns bey	ond t	he crit	erion	out of 6 samples collected	
7	6350	5	N	LOMA LAKE	732XDD	31N	I 04I	E 3	5		Total Phosp	ohorus Water
				Completed Phase I State Clean Lakes Restoration Project in 1986 - Problems Encountered: recycling, fecal coliform bacteria. Entranco Engineers, 1986.	Blue-gree	n alga	e, low	disso	olved o	oxyge	n, sediment phosphorus	Snohomish County's State of the Lakes Report identifies t lake as "in need of restoration". Summer epilimnetic total phosphorus concentrations exceed 20 ug/l although
modera	te			Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 39 u standards nutrient criterion for the Puget Lowlands Ecoregion.	ıg/L from sa	amples	s colle	ected	in 198	1 whi	ch exceeds the water quality	to high nutrient levels may be the natural condition for this lake. The lake suffers from regular nuisance algal blooms response to elevated nutrient levels.
7	35169	5	N	OLNEY CREEK	HW33LG	0	:	28N	09E	30	Temperatur	re Water
				Port Blakely Tree Farms unpublished data from station OL22* (submitted by Blake Murden o values of 19.24 degrees C from continuous measurements collected in 2002.	n 10 Decei	meber	2002) sho	ws a 7	'-day ı	mean of daily maximum	
				Port Blakely Tree Farms unpublished data from station OL22* (submitted by Blake Murden o values of 18.74 degrees C from continuous measurements collected in 2001.	n 10 Decei	meber	2002) shov	ws a 7	'-day ı	mean of daily maximum	
				Port Blakely Tree Farms unpublished data from station OL22 (submitted by Blake Murden or measurements collected in 2001-2002.	n 10 Decem	neber 2	2002)	show	s no e	excurs	ions beyond the criterion fron	n

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Water

OLNEY CREEK Ν 35296 NI13PB 7.209 28N 08E 14 Temperature

Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.58 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.32 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.09 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.67 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station OL3 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

7 35297 Ν **PEKOLA CREEK** 5 VI93XP 28N 09E 19 Water 0 **Temperature**

Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.75 degrees C from continuous measurements collected in 2002.

Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.7 degrees C from continuous measurements collected in 2001.

Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.42 degrees C from continuous measurements collected in 2000.

Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.38 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 13.64 degrees C from continuous measurements collected in 2002.

Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 14.73 degrees C from continuous measurements collected in 2001.

Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 14.75 degrees C from continuous measurements collected in 2000.

Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 14.41 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station PE1 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station PE3 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

7294 PILCHUCK RIVER 7 5 Ν NF79WA 12.096 29N 06E 21 Water рH

Thornburgh, et al. 1991, 10 excursions beyond the criterion out of 58 samples at RM 8.8, between 8/87 and 11/90.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	Medium
				Basis							Remarks
7	7295	5	Υ	PILCHUCK RIVER	NF79WA	14.184	29N	06E	16	Temperatur	e Water
				Sullivan, et al. 1990, 21 excursions beyond the criterion measured at RM 9.5 during 1988.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
7	6569	5	N	SKYKOMISH RIVER	AO37WJ	7.898	27N	07E	06	Temperatur	e Water
				Dept. of Ecology unpublished data from core ambient monitoring station 07C070 (Skykomis for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station beyond the criterion out of 46 samples collected between 1993 - 2001	07C070 (S	SKÝKOM	ISH RIV	ΈŘ ΑΤ	MONROE) shows	0 excursions	
				Cusimano (1997) station Snodry5 (Skykomish River (SKY05)) shows 0 excursions beyond	he criterior	out of 2	sample	es colle	cted between 02/96	6 - 04/96.	
7	3756	5	Y	SNOHOMISH RIVER	JX50OE	20.065	28N	06E	32	Fecal Colifo	rm Water
				Thornburgh, et al. 1991., 26 of 70 single samples exceeding the criterion (wet season geor	netric mear	excursio	on for 19	989) at	RM16.5 between 8/	87 and 11/90.	Returned to Category 5 from 4A on 02/01/05 because the Snohomish River Tributaries Fecal TMDL does not address mainstem listingskk
7	7406	5	Υ	SNOHOMISH RIVER	JX50OE	14.013	28N	06E	18	Fecal Colifo	rm Water
				Thornburgh, et al. 1991, 39 of 80 single samples exceeding the criterion (wet season geometric	tric mean e	excursion	for 198	9) at R	M13.0 between 8/87	7 and 11/90.	Returned to Category 5 from 4A on 02/01/05 because the Snohomish River Tributaries Fecal TMDL does not address
				Cusimano (1997) station Snodry14 (Snohomish River (SNO14)) shows the geometric mean not exceed the percentile criterion from 2 samples collected during 1993.	of 64 does	not exce	ed the c	riterion	and that 0% of the	samples does	

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location Ir	nformatio	n			Parameter		Medium
				Basis							Remarks	
7	7415	5	Υ	SNOQUALMIE RIVER	QW73YS	63.338	24N	08E	30	Temperature	•	Water
				Puget Power, 1991. 8 excursions beyond the criterion out of 14 samples (57%) at Plant 1 Po	owerhouse	Intake du	ring 8/9	91.			results reported as is continued from 1	ature measurements were taken, but single day maximums. Category 5 listin 998 assessment based on multiple ntinuous monitoring.
7	7428	5	Υ	SNOQUALMIE RIVER, S.F.	UC46QU	14.443	23N	09E	30	рН		Water
				South Fork Resources, 1983. , 4 excursions beyond the criterion out of 12 samples at RM 10	0.0 on 4/8/8	2, 8/3/82	, 9/8/8	2, and	1/7/83.		Low pH.	
7	9298	5	N	SWAN TRAIL SLOUGH	AI14IV	0	28N	05E	03	Ammonia-N		Water
				Cusimano (1997) station Snodry22 (Swan Trail Slough (STS22)) shows 2 excursions beyond of 2 samples collected in 1996.	d the criterio	on out of 2	2 samp	les col	llected in 1993 and 2	excursions out	t	
7	17494	5	N	SWIFTY (FERGUSON) CREEK	IQ42NC	3.181	28N	06E	06	Dissolved or	xygen	Water
				Friends of Blackman's Lake unpublished data show excursions beyond the criterion in 1998,	1999, 2000	, and 200	01 mea	sured	at several locations in	n the segment.		
7	17495	5	N	SWIFTY (FERGUSON) CREEK	IQ42NC	3.181	28N	06E	06	Temperature	•	Water
				Friends of Blackman's Lake unpublished data show excursions beyond the criterion in 1998,	1999, 2000	, and 200	01 mea	sured	at several locations i	n the segment.		
7	7435	5	Υ	WALLACE RIVER	OR02JV	0.737	28N	09E	31	Temperature)	Water
1998				Washington Department of Fish and Wildlife data show numerous excursions beyond the crit	terion at the	inflow to	the Sk	kykomi	sh Hatchery.		The water segmen	nt is listed as Category 5 based on the
1990											assessment.	
8	12687	5	N	BEAR CREEK	BA64JJ	0	25N	06E	06	Dissolved or	xygen	Water
				King County unpublished data from station C484 (Bear Creek RM 2.5) show excursions beyo 2002.	ond the diss	olved oxy	ygen cı	riterion	in 1998, 1999, 2000,	, 2001 and		
8	42087	5	N	BEAR CREEK	NC11TV	0	25N	05E	12	Dissolved or	xygen	Water
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 21 (Bear Creek Up criterion from samples collected on the following dates: 5/14/1996, 7/8/1997, 7/14/1998.	ostream of I	Redmond	Way (Outfall)	shows 3 excursions	beyond the		
8	42094	5	N	BEAR CREEK	EW54VY	1.825	26N	06E	31	Dissolved or	xygen	Water
				City of Redmond (data submitted by Daren Baysinger on $4/24/04$), station 36 (Avondale @ 1 collected on the following dates: $6/28/2001$, $10/4/2001$, $7/11/2002$, $10/30/2002$, $12/19/2002$, $6/12/19/2002$, $10/12/19/2002$,						mples		

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WRIA	Listing ID Categor	y 98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
			Basis						Remarks	
8	13133 5	N	BEAR CREEK King County unpublished data from station 484 (Bear Creek RM 1.0) show standards were re-	WR69YU			05E s collec		Fecal Coliform and 2002.	Water
8	13144 5	N	BEAR CREEK King County unpublished data from station C484 (Bear Creek RM 2.5) show standards were	BA64JJ e not met ea	0 ch year ir	-	06E es coll		Fecal Coliform and 2002.	Water
8	13146 5	N	BEAR CREEK King County unpublished data from station J484 (Bear Creek RM 5.5) show standards were	EW54VY			06E les co		Fecal Coliform 3 and 2002.	Water
8	42096 5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 36 (Avondale @ 1 years 2001, and 2003.	EW54VY 104th) show			06E les exc		Fecal Coliform e criterion in	Water
8	4804 5	N	BEAR CREEK King County unpublished data from station 484 (Bear Creek RM 1.0) show temperature crite	WR69YU erion was ex		-	05E ars bet		Temperature 2.	Water
8	4811 5	N	BEAR CREEK King County unpublished data from station C484 (Bear Creek RM 2.5) show temperature cri	BA64JJ iterion was e	0 exceeded	_	06E ears be		Temperature 02.	Water
8	4813 5	N	BEAR CREEK King County unpublished data from station J484 (Bear Creek RM 5.5) show temperature county	EW54VY			06E /ears b		Temperature	Water
8	42095 5	N	BEAR CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 36 (Avondale @ 1 collected on the following dates: 6/28/2001, 7/11/2002, 9/30/2003.	EW54VY 104th) show			06E eyond		Temperature mples	Water
8	12153 5	N	BOREN LAKE King County unpublished data from station A740 show a geometric mean of 52 cfu/100mL v		eeding the	percei	ntile cr	-	Fecal Coliform	Water
8	42142 5	N	King County unpublished data from station A740 show a geometric mean of 12 cfu/100mL v BRIDLECREST CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 28 (Bridlecrest St years 2002, and 2003.	WN82RB	0.134	25N	05E	14	Fecal Coliform e criterion in	Water

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King County unpublished data from station X438 (Cedar River RM 0.2) show temperature criterion was exceeded in all years between 1998 and 2002.

Parameter

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter		Medium
				Basis							Remarks	
8	6573	5	N	CEDAR RIVER	JG09GH	1.866	23N	05E	18	Temperatu	re	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 08C070 (Cedar R. a of 19.1 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring sexcursions beyond the criterion out of 62 samples collected between 1993 - 2001	it Logan St Station 080	. Bridge) 0070 (CE	shows DAR R	a 7-da IVER <i>A</i>	ay mean AT LOG	of daily maximum values AN ST/RENTON) shows 1		
8	13125	5	Υ	COAL CREEK	CH04NG	1.299	24N	05E	16	Fecal Colif	orm	Water
				King County unpublished data from station 442 (Coal Creek RM 0.8) show standards were n	ot met eac	h year in	sample	s colle	cted bet	ween 1998 and 2002.		
8	12688	5	N	COTTAGE LAKE CREEK	NO74JS	3.102	26N	06E	18	Dissolved	oxygen	Water
				King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show excur-2002.	sions beyo	nd the di	ssolved	oxyge	en criterio	on in 1998, 1999, 2000, ar	d	
8	13147	5	N	COTTAGE LAKE CREEK	NO74JS	3.102	26N	06E	18	Fecal Colif	orm	Water
				King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show stands 2002.	ards were ı	not met e	ach yea	ar in sa	amples c	ollected between 1998 and	t	
8	4814	5	N	COTTAGE LAKE CREEK	NO74JS	3.102	26N	06E	18	Temperatu	re	Water
				King County unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from station N484 (Cottage Lake Creek RM 2.0) show temperature and the country unpublished data from the country un	erature crite	erion was	exceed	ded in a	all years	between 1998 and 2002.		
8	36163	5	N	DERBY CREEK	QK82BO	0	26N	05E	15	Fecal Colif	orm	Water
				City of Woodinville unpublished data show the geometric mean of 13 cfu/100mL from 2 samp unpublished data show the geometric mean of 137 cfu/100mL from 9 samples collected in 20 geometric mean of 350 cfu/100mL from 1 samples collected in 2002 at 148th Ave NE.							;	
8	6332	5	N	DESIRE LAKE	144YNF	23N	05E 3	36		Total Phos	phorus	Water
(not				O'Neal et al. (2001) concludes that designated uses are being supported.							King County Surfac	e Water Management is implementing
(not				King County Volunteer Citizen Monitoring Program unpublished data show show summer me	ean epilimn	etic total	phosph	norus e	exceeded	d the water quality standar		unds) the restoration plan recommended oject. External sources of phosphorus
will				nutrient criterion in 1998, 1999, 2000, and 2001 from samples collected between 1998-2002.								gh 7 recommended watershed measures ention, wetland restoration, shoreline
including forest retention, wetland restoration, shore Completed Phase I State Clean Lakes Restoration Project: Wetland revegetation, storm water treatment, ditch KCSWMD and KCM, 1994; KCSWMD and KCM, 1995, Trophic state is eutrophic. Average summer epilimnetic phosphorus was 30 ug/l and chlorophyll levels waintenance, homeowner applied BMPs, and seweri were 15 ug/l.								on, storm water treatment, ditch eowner applied BMPs, and sewering. In-				

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Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 17 ug/L derived from the reported Carlson's Trophic State Index value which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location Ir	nformat	ion				Parameter	Medium
				Basis							Remarks	
8	13140	5	N	EBRIGHT CREEK	UI56TQ	0.647	251	۷ 06	E	32	Fecal Coliform	Water
				King County unpublished data from station A685 (Ebright Creek - WDF# 08.0149 at RM 0.1) 2000, 2001 and 2002.	show stand	dards w	ere not	met e	each	year in samples co	ollected in 1998, Name administrativ Ebright Creek. 10/0	
8	12156	5	N	ECHO LAKE	638BJE	26N	04E	06			Fecal Coliform	Water
				King County unpublished data from station A706 show a geometric mean of 600 cfu/100mL vunpublished data from station A706 show a geometric mean of 510 cfu/100mL with 100% expenses the contraction of the							98. King County	
8	13141	5	Υ	EDEN (ETON) CREEK	FN75VG	0.288	251	۱ 06	E	32	Fecal Coliform	Water
				King County unpublished data from station A690 (Eden Creek - WDF# 08.0144 at RM 0.1) sl	how standa	ırds wei	re not m	net ea	ch ye	ear in samples colle	ected in 2002.	
8	42492	5	N	ELLIOTT BAY	390KRD	47122	2G3D9	47	.635	122.395	Fecal Coliform	Water
				King County data (submitted by Kimberle Stark on 4/15/04) station KSYV02 (Magnolia) show 2002; and 3 of 12 samples (25.0%) exceeded the percentile criterion in year 2003.	vs 2 of 3 sai	mples (66.7%)	excee	eded	the percentile crite	erion in year	
8	42496	5	N	ELLIOTT BAY	390KRD	47122	2G3A3	47	.605	122.335	Fecal Coliform	Water
				King County data (submitted by Kimberle Stark on 4/15/04) station LTEH02 (inner Elliott Bay 12 samples (16.7%) exceeded the percentile criterion in year 2003.	ı) shows a ç	geometi	ric mea	n of 16	6.42	exceeded the crite	rion and 2 of	
8	12685	5	N	EVANS CREEK	MI67EG	0.494	251	۰ 06	Ε	06	Dissolved oxygen	Water
				King County unpublished data from station B484 (Evans Creek RM 0.8) show excursions be 2002.	yond the dis	ssolved	oxyger	n crite	rion	in 1998, 1999, 200	00, 2001 and	
8	12689	5	N	EVANS CREEK	MI67EG	4.093	251	۱ 06	Ε	18	Dissolved oxygen	Water
				King County unpublished data from station S484 (Evans Creek RM 2.2) show excursions be 2002.	yond the dis	ssolved	oxyger	n crite	rion	in 1998, 1999, 200	00, 2001 and	
8	13142	5	N	EVANS CREEK	MI67EG	0.494	251	۱ 06	E	06	Fecal Coliform	Water
				King County unpublished data from station B484 (Evans Creek RM 0.8) show standards wer 2002.	e not met e	ach yea	ar in sa	mples	colle	ected in 1998, 2000), 2001 and	
8	13148	5	N	EVANS CREEK	MI67EG	4.093	251	۰ ۱	Ε	18	Fecal Coliform	Water
				King County unpublished data from station S484 (Evans Creek RM 2.2) show standards were	re not met e	ach yea	ar in sa	mples	colle	ected in 1998.		
8	4809	5	N	EVANS CREEK	MI67EG	0.494	251	۰ ا	Ε	06	Temperature	Water
-				King County unpublished data from station B484 (Evans Creek RM 0.8) show temperature of			_				-	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformati	on			Parameter		Medium
				Basis							Remarks	
8	15772	5	N	FAIRWEATHER BAY CREEK	DG67DF	0	25N	04E	99	Dissolved ox	ygen	Water
				King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 R and 1990.	RM 0.1) sho	ow excur	sions b	eyond t	he criterion in 1987,	1988, 1989,		
8	15773	5	Υ	FAIRWEATHER BAY CREEK	DG67DF	0	25N	04E	99	Fecal Colifor	m	Water
				King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 R and 1990.	RM 0.1) exc	eeded t	he geo	metric m	nean criterion in 1987	7, 1988, 1989,	Was listed as TRS	25N-04E-24 for 1998 listkk
8	15775	5	Υ	FAIRWEATHER BAY CREEK	DG67DF	0	25N	04E	99	Temperature		Water
				King County unpublished data from station 498 (Fairweather Bay Tributary WDF# 08.0257 R	M 0.1) exc	eeded t	he crite	rion in 1	987, 1988, 1989, an	d 1990.	Was listed as TRS	25N-04E-24 for 1998 listkk
8	12677	5	N	FORBES CREEK	BG76BX	0.799	26N	05E	31	Dissolved ox	vaen	Water
				King County unpublished data from station 456 (Forbes Creek RM 0.2) show excursions bey 2002.	ond the dis	solved o	oxygen	criterion	in years 1998, 2000		,	
8	13129	5	Υ	FORBES CREEK	BG76BX	0.799	26N	05E	31	Fecal Colifor	m	Water
				King County unpublished data from station 456 (Forbes Creek RM 0.2) show standards were	e not met ea	ach year	in sam	ples col	lected between 1998	and 2002.		
0	7000	_	NI.							_		
8	7029	5	N	FORBES CREEK King County unpublished data from station 456 (Forbes Creek RM 0.2) show temperature cr	BG76BX			05E		Temperature		Water
				ring County dispublished data from station 450 (Forbes Greek Rivi 0.2) show temperature of	iteriori was	CACCCCC	ou iii aii	years b	etween 1990 and 20	02.		
8	17381	5	N	GREEN LAKE	670DAB	25N	04E	05		4,4'-DDE		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Co	mmon carp	collecte	ed in 20	01.				
8	17378	5	N	GREEN LAKE	670DAB	25N	04E	05		Chlordane		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in in fillet samples of C	common ca	rp collec	ted in 2	2001.				
8	12157	5	N	GREEN LAKE	670DAB	25N	04E	05		Fecal Colifor	m	Water
				King County unpublished data from station A734SB show a geometric mean of 43 cfu/100ml unpublished data from station A734SB show a geometric mean of 40 cfu/100mL with 24% e data from station A734SB show a geometric mean of 28 cfu/100mL with 10% exceeding the station A734SB show a geometric mean of 27 cfu/100mL with 10% exceeding the percentile A734SB show a geometric mean of 51 cfu/100mL with 39% exceeding the percentile criterio	exceeding the percentile criterion du	ne perce criterion uring 200	ntile cr during	terion d 2000. K	uring 1999. King Cou (ing County unpublis	inty unpublished hed data from		

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WRIA	Listing ID C	ategory	98 List?	Waterbody Name Lo	ocation I	nformati	on			Parameter		Medium
				Basis							Remarks	
8	17383	5	N		70DAB	25N	-			Total PCBs		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in in fillet samples of Com	nmon ca	rp collec	ted in	2001.				
8	6339	5	Υ	GREEN LAKE 67	70DAB	25N	04E	05		Total Phosp	horus	Water
Project				Completed Phase I Federal Clean Lakes Restoration Project in 1983. Problems Encountered:	Blue-gre	een alga	e, low	transp	arency, sediment pho	sphorus	Completed Phase I	I Federal Clean Lakes Restoration
				recycling, aquatic macrophytes, storm water.							in 1995: URS Cons	ultants, 1990. Control measures
underwa	у										precipitation/inactiv management (ordin nutrient attenuation	e I study -phosphorus ation, dilution/flushing, watershed nutrient nances, sediment reductions, passive), aquatic macrophyte harvesting, ter controls, public education.
8	42128	5	N	IDYLWOOD CREEK B	I22AX	0.235	251	N 05	E 24	Dissolved o	xygen	Water
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 24 (Idylwood Creek of for continuous monitoring data collected between 8/2001 - 4/2002.	@ W Lk :	Samm)	shows	multip	ole excursions beyond	the criterion		
8	42130	5	N	IDYLWOOD CREEK B	I22AX	0.235	251	N 05	E 24	Fecal Colifo	rm	Water
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 24 (Idylwood Creek © criterion in years 2001, 2002, and 2003.	@ W Lk :	Samm)	shows	quart	erly samples exceede	d the percentile		
8	15785	5	N	ISSAQUAH CREEK TI	F310B	4.051	241	N 06	E 28	Dissolved o	xygen	Water
				King County unpublished data from station A632 (Issaquah Creek RM 3.0) show excursions beg	yond the	criterio	n in 19	91, 19	92, 1993, 1995, and 1	996.		
8	12675	5	N	JUANITA CREEK w	A69TP	2.528	261	N 05	E 30	Dissolved o	xygen	Water
				King County unpublished data from station 446 (Junaita Creek RM 0.1) show excursions beyon 2002.	nd the dis	ssolved	oxygen	criter	ion in 1998, 1999, 200	00, 2001 and		
				U.S.Geological Survey data from NWIS database station 12120490 (Juanita Cr at Juanita) show between 01/93 - 10/00.	ws 1 exc	cursions	beyond	d the o	riterion out of 1 sampl	es collected		
8	12686	5	N	JUANITA CREEK W	A69TP	4.783	261	N 05	E 20	Dissolved o	xygen	Water
				King County unpublished data from station C446 (Juanita Creek RM 1.3) show excursions beyon	ond the c	dissolved	d oxyge	en crite	erion in 1998, 1999 an	d 2002.		
8	13127	5	Y	JUANITA CREEK w	/A69TP	2.528	261	N 05	E 30	Fecal Colifo	rm	Water
-		-		· · · · · · · · · · · · · · · · · · ·								

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King County unpublished data from station 446 (Junaita Creek RM 0.1) show standards were not met each year in samples collected between 1998 and 2002.

WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	Medium
				Basis						Remarks	
8	13143	5	Y	JUANITA CREEK King County unpublished data from station C446 (Juanita Creek RM 1.3) show standards we	WA69TP re not met			05E nples c	-	Fecal Coliform en 1998 and 2002.	Water
				U.S.Geological Survey data from NWIS database station 12120480 (Juanita Cr at NE 132nd and that 100% of the samples exceeds the percentile criterion from 1 samples collected during	st nr kirkla g 1998.	nd) show	/s a geo	metric	mean of 780 ex	ceeds the criterion	
8	4810	5	N	JUANITA CREEK	WA69TP	4.783	26N	05E	20	Temperature	Water
				King County unpublished data from station C446 (Juanita Creek RM 1.3) show temperature of	riterion wa	as exceed	ded in a	l years	between 1998	and 2002.	
				U.S.Geological Survey data from NWIS database station 12120480 (Juanita Cr at NE 132nd samples collected between 01/93 - 10/00.	st nr kirkla	nd) show	s 1 exc	ursions	s beyond the crit	terion out of 6	
8	7027	5	N	JUANITA CREEK	WA69TP	2.528	26N	05E	30	Temperature	Water
				King County unpublished data from station 446 (Junaita Creek RM 0.1) show temperature cri						•	
				U.S.Geological Survey data from NWIS database station 12120490 (Juanita Cr at Juanita) shetween 01/93 - 10/00.	ows 1 exc	ursions b	peyond t	he crit	erion out of 1 sa	amples collected	
8	12674	5	N	KELSEY CREEK	CK50FE	7.893	25N	05E	33	Dissolved oxygen	Water
				King County unpublished data from station 444 (Kelsey Creek RM 2.1) show excursions beyo 2002.	ond the dis	solved o	xygen c	riterion	in all years bet	tween 1998 and	
8	13126	5	Υ	KELSEY CREEK	CK50FE	7.893	25N	05E	33	Fecal Coliform	Water
				King County unpublished data from station 444 (Kelsey Creek RM 2.1) show standards were	not met ea	ach year	in samp	les col	lected between	1998 and 2002.	
8	7026	5	N	KELSEY CREEK	CK50FE	7.893	25N	05E	33	Temperature	Water
				King County unpublished data from station 444 (Kelsey Creek RM 2.1) show temperature crit	erion was	exceede	d in all y	ears b	etween 1998 an	nd 2002.	
8	15755	5	Υ	LAUGHING JACOB'S CREEK Hallock (2004), Dept. of Ecology ambient station 08L070 shows 2 of 3 samples (66.7%) in ye	AM27GW			06E		Fecal Coliform	Water
								erille (ontenon.		
				Seattle-Metro unpublished data from station A670 (Near Mouth) exceeded the geometric mea	an criterion	in 1987.					
8	12682	5	N	LEWIS CREEK King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) sl	AP28OD		24N ond the			Dissolved oxygen erion in 1998, 1999, WASWIS and Lo	Water wer Route Address changed from SY87QV
-				2000, 2001 and 2002.						0.000 to AP28OD	0 - 0.644 on 5/6/05kk

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WRIA	Listing ID C	Category	98 List?	•	Location In	formatio	n			Parameter	Medium
				Basis							Remarks
8	13137	5	Υ	LEWIS CREEK	AP28OD	0.644	24N	06E	18	Fecal Colifor	orm Water
_				King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) should be considered as a constant of the country of the	ow standa	rds were	not m	et each	year in samples coll	ected between	n WASWIS and Lower Route Address changed from SY87Q
				1998 and 2002.							0.000 to AP28OD - 0.644 on 5/6/05kk
8	4807	5	N	LEWIS CREEK	AP28OD	0.644	24N	06E	18	Temperature	e Water
				King County unpublished data from station A617 (Lewis Creek WDF# 08.0162 at RM 0.1) sho	ow temper	ature cri	terion	was ex	ceeded in all years b	etween 1998	WASWIS and Lower Route Address changed from SY87Q
-				and 2002.							0.000 to AP28OD - 0.644 on 5/6/05kk
				U.S.Geological Survey data from NWIS database station 12121750 (Lewis Cr at 187th ave SE samples collected between 01/93 - 10/00.	nr Bellevi	ue) show	vs 0 ex	cursion	s beyond the criterio	n out of 3	
8	12680	5	N	LITTLE BEAR CREEK	UT96KR	0	26N	05E	09	Dissolved or	oxygen Water
				King County unpublished data from station 478 (Little Bear Creek RM 0.2) show excursions be 2002.	eyond the o	dissolved	d oxyg	en crite	rion in 1998, 1999, 2	000, 2001 and	ı
				Snohomish County unpublished data from station LBCC (at Hwy 202) show excursions beyond	d the criter	ion from	meas	uremen	its collected in 2001.		
8	13122	5	Υ	LYON CREEK	AS70QO	0.49	26N	04E	10	Fecal Colifor	orm Water
				King County unpublished data from station 430 (Lyon Creek RM 0.2) show standards were not	t met each	year in	sampl	es colle	cted between 1998 a	and 2002.	
				U.S.Geological Survey data from NWIS database station 12127290 (Lyon Cr at NE178th @ La criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected			nows a	geome	etric mean of 450 exc	eeds the	
8	6402	5	N	MAPLE LEAF CREEK	KK99GK	0.07	26N	04E	28	Fecal Colifor	orm Water
				Hallock (2004), Dept. of Ecology ambient station 08M070 shows 2 of 2 samples (100%) in yea	ar 2003 exc	ceeded t	he per	centile	criterion.		Changed from Category 2 to Category 5 on 01/25/05 due to
				U.S.Geological Survey data from NWIS database station 12127800 (SF Thornton Cr at 30th Arcriterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected			shows	a geom	netric mean of 650 ex	ceeds the	consolidation with Listing ID 42541 (cat 5). Name changed from THRONTON CREEK to MAPLE LEAF CREEKkk
8	42145	5	N	MARYMOOR CREEK	UNK000	0	25N	05E	11	Fecal Colifor	orm Water
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 29 (Marymoor Streat years 2001, 2002, and 2003.	am) shows	quarterly	y samı	oles exc	ceeded the percentile	criterion in	
8	13124	5	Υ	MAY CREEK E	BH96KG	2.207	24N	05E	32	Fecal Colifor	orm Water
				King County unpublished data from station 440 (May Creek RM 0.2) show standards were not	met each	year in s	sample	s collec	cted between 1998 a	nd 2002.	

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WRIA	Lis	ting ID Cate	gory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
8	1	5764	5	Y	MAY CREEK King County Surface Water Management (1995) shows 2 excursions beyond the criterion at Two excursions beyond the criterion collected by King County Surface Water Management a		a 164th A		on 7/8	/94 and 7/29/94;	Temperature		Water 04 on the 1998 listkk
8	1	2681	5	N	MCALEER CREEK King County unpublished data from station A432 (McAleer Creek RM 0.1) show excursions to 2002.	CF07LH beyond the	0.569 dissolved		04E en criter	-	Dissolved o 000, 2001 and	xygen	Water
8	1	3135	5	Y	MCALEER CREEK King County unpublished data from station A432 (McAleer Creek RM 0.1) show standards w	CF07LH ere not met			04E amples	-	Fecal Colifo	rm	Water
8 SLOUG		3145	5	Y	MERCER SLOUGH King County unpublished data from station D444 (West Branch Kelsey Creek WDF# 08.0264 collected between 1998 and 2002.		4.499 1) show s		05E ds were		Fecal Colifo n samples		Water NELSEY CREEK to MERCER
8	4	0609	5	Y	MERCER SLOUGH 54 excursions beyond the criterion at Seattle-Metro station A444 between 7/1/87 and 7/1/91.	DE87MT	0	24N	05E	05	Fecal Colifo	rm	Water
8 SLOUG		4812	5	N	MERCER SLOUGH King County unpublished data from station D444 (West Branch Kelsey Creek WDF# 08.0264) between 1998 and 2002.	CK50FE 4 at RM 0.1			05E ature cri		Temperature		Water NELSEY CREEK to MERCER
8	1	5767	5	Y	MULLEN SLOUGH King County, 1993, 9 excursions beyond the upper criterion at station 407 (Mullen Slough R	BP27QP M 0.5) durii	-	22N and 19	_	23	Fecal Colifo	Fecal coliform data	Water were previously submitted only in water segment is listed as Category 5 assessment.
8		7450	5	Y	NORMA CREEK Thornburgh, 1996., 51% of samples collected between 1992 -1995 show excursions beyon Thornburgh, 1996., 25% of samples collected between 1992 -1995 show excursions beyon				on PSL	U;	Fecal Colifo	rm	Water
8		7031	5	N	NORTH CREEK King County unpublished data from station 474 (North Creek RM 0.1) show temperature crite	SM74QQ	0	26N	05E	08	Temperature 2.	e	Water

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WRIA	Listing ID Ca	itegory	98 List?	Waterbody Name Basis	Location	Informa	ation				Para	ameter Rema	Medium rks
8	42080	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Comonitoring data collected between 8/2001 - 11/2002.	ZA21LY Outfall) show	_				-		ssolved oxygen ntinuous	Water
8	42082	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Cyears 2001, 2002, and 2003.	ZA21LY Outfall) show	_			05E les ex			cal Coliform terion in	Water
8	42093	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 32 (Peters Creek criterion in years 2001, 2002, and 2003.	ZN74FV @ 87th ST	0.00		-	05E sampl			cal Coliform ile	Water
8	42081	5	N	PETERS CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 7 (Peters Creek Commonitoring data collected between 6/1996 - 9/2002.	ZA21LY Outfall) show	_			05E ions b			mperature ntinuous	Water
8	12160	5	N	PINE LAKE Department of Ecology lakes monitoring data shows 1 of 3 (33.3%) daily maximum samples criterion in 2003. Samples were collected near Pine Lake Park recreation area and reflects King County unpublished data from station A708 show a geometric mean of 69 cfu/100mL wunpublished data from station A708 show a geometric mean of 66 cfu/100mL with 0% exceed King County unpublished data from station E708SB show a geometric mean of 77 cfu/100m unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from station E708SB show a geometric mean of 21 cfu/100mL with 22% of the county unpublished data from statio	water quali with 43% ex eding the po nL with 41%	7/21/20 ity conductors ceeding ercention	003,8 ditions ng the le crite	s in this percent erion of the per	003, 9/is area entile c during	a only. criterior 1999. le crite	03) exceeded the p in during 1998. King erion during 2001. K	g County	Water
- 8	6364	5	N	PINE LAKE Welch, 2002. concludes that summer epilimnetic total phosphorus concentrations have rem diversion). The values reported exceed the water quality standards action value. Hypolimn loading has increased 4 fold in a 13-year period due to a 56% increase in watershed develo	etic total ph	same s	ince t	the imp		ntation	of Phase II control	phorus Proble	Water leted Federal Clean Lakes Restoration Project in 1982 ems Encountered: Blue-green algae, turbidity, low ved oxygen, tributary nutrient inputs, low transparency,
Federal												Clean Welch Phase	ent phosphorus recycling. Completed Phase II Lakes Restoration Project in 1991: Anderson and 1991. Control measures implemented based on the 1 Study - Diversion, watershed nutrient management c system management), public education.
8	12684	5	N	PINE LAKE CREEK King County unpublished data from station A680 (Pine Lake Creek RM 0.1) show excursion	LH94AN is beyond th			-	06E en crite	-		ssolved oxygen o, and 2002.	Water

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WRIA	Listing ID Categor	y 98 List?	Waterbody Name	Location I	nformation				Parameter	Medium
			Basis						Remarks	
8	13139 5	Υ	PINE LAKE CREEK	LH94AN	0.634	25N	06E	31	Fecal Coliform	Water
			King County unpublished data from station A680 (Pine Lake Creek RM 0.1) show standards	were not m	et each ye	ar in s	amples	collected between	en 1998 and 2002.	
8	42477 5	N	PUGET SOUND	390KRD	47122I3E	38	47.815	122.385	Ammonia-N	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station ITBRACKETT (Brackett's 11/20/02, and 12/17/02.							Traio.
8	42487 5	N	PUGET SOUND	390KRD	47122I3E	38	47.815	122.385	Fecal Coliform	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station ITBRACKETT (Brackett's criterion in year 2002.	s Landing) s	shows 2 of	10 sar	mples (2	0.0%) exceeded	the percentile	
8	42488 5	N	PUGET SOUND	390KRD	47122I3 <i>A</i>	۱9	47.805	122.395	Fecal Coliform	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station ITEDWARDSPT (Edward criterion in year 2003.	ds Point) sh	ows 3 of 10) sam _l	ples (30	.0%) exceeded to	ne percentile	
8	42475 5	N	PUGET SOUND (CENTRAL)	390KRD	47122H3	Н9	47.775	122.395	Ammonia-N	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station JSVW04 (Richmond Bea 11/20/02.	ch) shows :	2 samples e	excee	ded the	criterion on 10/2	8/02 and	
8	7336 5	N	PUGET SOUND (CENTRAL)	390KRD	47122G4	H1	47.675	122.415	Dieldrin	Tissue
			Crecelius, et al. 1989, excursions beyond the criterion in edible fish tissue.							
8	42489 5	N	PUGET SOUND (CENTRAL)	390KRD	47122H3	Н9	47.775	122.395	Fecal Coliform	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station JSVW04 (Richmond Bea in year 2003.	ich) shows :	2 of 12 sam	ples ((16.7%)	exceeded the pe	rcentile criterion	
8	42491 5	N	PUGET SOUND (CENTRAL)	390KRD	47122G4	Н0	47.675	122.405	Fecal Coliform	Water
			King County data (submitted by Kimberle Stark on 4/15/04) station KSQU01 (Shilshole Bay) 2003; 3 of 3 samples (100.0%) exceeded the percentile criterion in year 2002, and 4 of 12 states.							
8	11949 5	N	SAMMAMISH LAKE	143MLR	47122F0	J9	47.595	122.095	Ammonia-N	Water
			King County unpublished data from station 612 show 20 excursions beyond the criterion out	of 52 samp	les collecte	ed bet	ween 19	998 and 2002.		
8	11953 5	N	SAMMAMISH LAKE	143MLR	47122G1	F0	47.655	122.105	Ammonia-N	Water
			King County unpublished data from station 625 show 5 excursions beyond the criterion out of	of 50 sample	es collected	d betw	een 198	38 and 2002.		

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WF	RIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformation			Parameter	Medium Remarks
											· · · · · · · · · · · · · · · · · · ·
	8	11954	5	N	SAMMAMISH LAKE	143MLR	47122G0A8	47.605	122.085	Ammonia-N	Water
					King County unpublished data from station M621 show 6 excursions beyond the criterion out	of 50 samp	oles collected be	etween 1988	and 2002.		
	8	15753	5	N	SAMMAMISH LAKE	143MLR	47122F0J9	47.595	122.095	Dissolved ox	kygen Water
					Data collected by Seattle-Metro at the mid-lake station shows low hypolimnetic dissolved oxy Welch et al. (1986) has documented that the anoxia is exasperated by direct human caused		on likely due to	the release	of sediment ph	nosphorus.	Phase II State Clean Lakes Restoration Project: Control measures implemented based on the Phase I study - watershed nutrient management, structural storm water controls, diversion, public education.
	8	12162	5	N	SAMMAMISH LAKE	143MLR	47122G0E9	47.645	122.095	Fecal Colifor	rm Water
					King County unpublished data from station 0602SB show a geometric mean of 153 cfu/100m County unpublished data from station 0602SB show a geometric mean of 57 cfu/100mL with unpublished data from station 0602SB show a geometric mean of 55 cfu/100mL with 30% ex data from station 0602SB show a geometric mean of 49 cfu/100mL with 30% exceeding the station 0602SB show a geometric mean of 35 cfu/100mL with 22% exceeding the percentile	26% exceeding the percentile of	eding the percer e percentile crite riterion during 2	tile criterion erion during	during 1999. I 2000. King Co	King County unty unpublished	1
	8	12163	5	N	SAMMAMISH LAKE	143MLR	47122F0F6	47.555	122.065	Fecal Colifor	m Water
					King County unpublished data from station 0606SB show a geometric mean of 25 cfu/100mL unpublished data from station 0606SB show a geometric mean of 30 cfu/100mL with 10% exceeding the station 0606SB show a geometric mean of 18 cfu/100mL with 20% exceeding the station 0606SB show a geometric mean of 14 cfu/100mL with 14% exceeding the percentile	xceeding the percentile	e percentile crit criterion during 2	erion during	1999. King Co	ounty unpublishe	y d
	8	12167	5	N	SAMMAMISH LAKE	143MLR	47122F0F7	47.555	122.075	Fecal Colifor	rm Water
					King County unpublished data from station 0615SB show a geometric mean of 51 cfu/100mL County unpublished data from station 0615SB show a geometric mean of 6 cfu/100mL with 6000	with 23% 68% exceedi	exceeding the p	ercentile crit e criterion du	erion during 20 Iring 2002.	001. King	
	8	12670	5	N	SAMMAMISH RIVER	CA16HI	19.219 25N	05E 11		Dissolved ox	kygen Water
					King County unpublished data from station 486 (Sammamish River RM 12.5) show excursion	ns beyond t	he dissolved ox	ygen criterio	n in 2000 and	2001.	During the assessment of data it was determined that WQ
DO					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R @ Redicollected between 1993 - 2001 measured on these dates: 94/07/18,	mond) shov	s 1 excursions	beyond the	criterion out of	12 samples	Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for
БО											statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
to											be impaired. (Braley, ECY/WQP, 2003)
	8	12676	5	Υ	SAMMAMISH RIVER King County unpublished data from station 450 (Sammamish RM 0.1) show excursions beyon		1.006 26N olved oxygen cr	-	years betweer	Dissolved on 1998 and 2002	•

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nforma	ition			Parameter	Remarks	Medium
8	42085	5	N	SAMMAMISH RIVER City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 19 (Sammamish R beyond the criterion from samples collected on the following dates: 10/18/1995, 7/8/1997, 6/10/1/1998.		eam of		ridge C	Outfall) shows 7 excu			Water
8	12561	5	Y	SAMMAMISH RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Both 33% of the samples exceeds the percentile criterion from 9 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Both that 0% of the samples does not exceed the percentile criterion from 3 samples collected during Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Both 67% of the samples exceeds the percentile criterion from 9 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B070 (Sammamish R. at Both 83% of the samples exceeds the percentile criterion from 12 samples collected during 1993.	ell) shows ing 1998. ell) shows	a geor	metric me	an of 4 an of 1	5 exceeds the criter 9 does not exceed t 26 exceeds the crite	he criterion and	Errantly listed as particular Returned to Categorian	Water art of North Creek Fecal Coliform TMDL. ory 5 on 5/12/04kk
8	12562	5	Y	SAMMAMISH RIVER King County unpublished data from station 486 (Sammamish River RM 12.5) show standard: Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R. at Red: 33% of the samples exceeds the percentile criterion from 3 samples collected during 1993. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R. at Red: 56% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	mond) show	in all s	eometric i	ollected	d between 1998 and	erion and that	Errantly listed as pa	Water art of North Creek fecal Coliform TMDL. bry 5 on 5/12/04kk
8	13128	5	Y	SAMMAMISH RIVER King County unpublished data from station 450 (Sammamish RM 0.1) show standards were	CA16HI not met eac	1.00 6 ch year		04E es colle		Fecal Colifo and 2002.		Water d as ZC89FB on the 1998 list.
8	4805	5	Y	SAMMAMISH RIVER Carey, B., (2003), station SAM-1 shows 2 samples exceeded the criterion in year 2001. Carey, B., (2003), station SAM-2 shows 2 samples exceeded the criterion in year 2001.	CA16HI	19.2′	19 25N	05E	11	Temperature	•	Water

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Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B110 (Sammamish R @ Redmond) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/06/20, 94/07/18, 94/08/15, 94/09/19.

King County unpublished data from station 486 (Sammamish River RM 12.5) show temperature criterion was exceeded in all years between 1998 and 2002.

WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location I	nformat	ion				Parameter	Remarks	Medium
8	7028	5	Υ	SAMMAMISH RIVER	CA16HI	1.006	26	5N 04	1E	12	Temperature	•	Water
				King County unpublished data from station 450 (Sammamish RM 0.1) show temperature crit	terion was e	exceede	d in al	ll years	bet	ween 1998 and 200)2.	Was TRS 26N-05E	-08 on 1998 listkk
8	6368	5	Υ	SCRIBER LAKE	414VNQ	27N	04E	21			Total Phosp	horus	Water
in				Completed Phase I State Clean Lakes Restoration Project in 1987 -Problems Encountered:	Blue-green	ı algae,	high t	urbidity	y, lov	w dissolved oxygen,	, sediment	Completed Phase I	Il State Clean Lakes Restoration Project
				phosphorus recycling, low transparency, aquatic macrophytes, storm water. URS Consultar	nts, 1986.								sures underway based on the Phase I polimnetic aeration, structural storm
water													, watershed nutrient management ment, passive nutrient attenuation),
public												education.	
8	12678	5	Υ	SWAMP CREEK	GJ57UL	0	26	N 04	1E	12	Dissolved or	xygen	Water
				King County unpublished data from station 470 (Swamp Creek RM 0.5) show excursions be	yond the dis	ssolved	oxyge	en crite	rion	in years 2000, 200	11 and 2002.		
8	40747	5	N	SWAMP CREEK	GJ57UL	16.14	4 28	3N 04	1E	35	Dissolved or	xygen	Water
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE excursions beyond the criterion from measurements collected 1999-2002.	E DRAINAG	SE COM	IING F	ROM	EAS	ST ALONG 148TH S	ST SW.) show		
8	7464	5	Υ	SWAMP CREEK	GJ57UL	14.33	5 27	'N 04	1E	02	Fecal Colifo	rm	Water
				Thornburgh, 1996. 30% of samples collected between 1992 - 1995 show excursions beyond	d the upper	criteria a	at stati	ion SC	LU.				
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE geometric mean of 115 cfu/100mL with 29% of samples exceeding the percentile criterion from						T ALONG 148TH S	ST SW.) shows	a	
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE geometric mean of 236 cfu/100mL with 33% of samples exceeding the percentile criterion from the station of the percentile criterion from the station of the percentile criterion from the station of						ST ALONG 148TH S	ST SW.) shows	a	
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE geometric mean of 132 cfu/100mL with 22% of samples exceeding the percentile criterion from						ST ALONG 148TH S	ST SW.) shows	a	
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE geometric mean of 81 cfu/100mL with 33% of samples exceeding the percentile criterion from					EAS	ST ALONG 148TH S	ST SW.) shows	a	
				Snohomish County unpublished data from station SCLU (NORTH OF 148TH ST SW ABOVE geometric mean of 58 cfu/100mL with 29% of samples exceeding the percentile criterion from					EAS	T ALONG 148TH S	ST SW.) shows	a	
8	7465	5	Υ	SWAMP CREEK	GJ57UL	3.601	26	SN 04	1E	02	Fecal Colifo	rm	Water
J	- 1	•	-	Thornburgh, 1996. 46% of samples collected between 1992 - 1995 show excursions beyond				_		-			

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WRIA	RIA Listing ID Category 98 Lis		Waterbody Name	Location I	nformatio	n			Parameter	Medium
			Basis						Remarks	
8	12565 5	N	SWAMP CREEK	GJ57UL	16.144	28N	04E	35	Fecal Coliform	Water
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08J100 (Swamp Creek abv Lyr 33% of the samples exceeds the percentile criterion from 3 samples collected during 1998.	nnwood) sho	ws a geo	metric r	mean o	of 60 exceeds the cr	iterion and that	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08J100 (Swamp Creek abv Lyr 33% of the samples exceeds the percentile criterion from 9 samples collected during 1999.	nnwood) sho	ws a geo	metric r	mean o	of 79 exceeds the cr	iterion and that	
8	13130 5	N	SWAMP CREEK	GJ57UL	0	26N	04E	12	Fecal Coliform	Water
			King County unpublished data from station 470 (Swamp Creek RM 0.5) show standards we	ere not met e	ach year	in samp	oles co	llected between 199	98 and 2002.	
8	21989 5	N	SWAMP CREEK	GJ57UL	3.762	27N	04E	35	Fecal Coliform	Water
			Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE S 201 cfu/100mL with 70% of samples exceeding the percentile criterion from 10 samples col			CKWOO	DD RO	AD.) shows a geom	etric mean of	
			Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE S 354 cfu/100mL with 75% of samples exceeding the percentile criterion from 12 samples col			CKWOO	DD RO	AD.) shows a geom	etric mean of	
			Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE S 119 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples col			CKWOO	DD RO	AD.) shows a geom	etric mean of	
			Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE S 105 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples col			CKWOO	DD RO	AD.) shows a geom	etric mean of	
			Snohomish County unpublished data from station SCLD (AT COUNTY LINE AT BRIDGE S cfu/100mL with 14% of samples exceeding the percentile criterion from 7 samples collected		4225 LOC	CKWOO	DD RO	AD.) shows a geom	etric mean of 73	
8	7030 5	N	SWAMP CREEK	GJ57UL	0	26N	04E	12	Temperature	Water
			King County unpublished data from station 470 (Swamp Creek RM 0.5) show temperature of	criterion was	exceede	d in all	years l	between 1998 and 2	2002.	
8	12666 5	N	THORNTON CREEK	VQ98YZ	1.219	26N	04E	34	Dissolved oxygen	Water
			King County unpublished data from station 434 (Thornton Creek RM 0.3) show excursions	beyond the o	dissolved	oxygen	criteri	on in years 1998 ar	nd 1999.	
			U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattle DURING 1996 AND 1997.	e) shows 11 e	excursion	s beyor	nd the	criterion out of 49 sa	amples collected	

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WRIA	WRIA Listing ID Category 98 List?		98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
8	13123	5	Y	THORNTON CREEK King County unpublished data from station 434 (Thornton Creek RM 0.3) show standards w U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattle of the samples exceeds the percentile criterion from 1 samples collected during 1998.		each yea	ar in sar	•	collected between 1			Water
8	7024	5	N	THORNTON CREEK King County unpublished data from station 434 (Thornton Creek RM 0.3) show temperature U.S.Geological Survey data from NWIS database station 12128000 (Thornton Cr nr Seattleduring 1996, 1997, and 1998.		as excee	ded in a		s between 1998 and		Е	Water
8	12683	5	N	TIBBETTS CREEK King County unpublished data from station A620 (Tibbetts Creek RM 0.4) show excursions	MB51QQ beyond the			06E n crite	-	Dissolved o 2001 and 2002	,0	Water
8	15778	5	N	TIBBETTS CREEK King County unpublished data from station A630 (Tibbetts Creek RM 1.0) show the criterion	EA48LQ n was excee			06E 38, 198		Dissolved o	xygen	Water
8	4808	5	N	TIBBETTS CREEK King County unpublished data from station A620 (Tibbetts Creek RM 0.4) show temperature	MB51QQ re criterion w			06E all yea		Temperature d 2002.	e	Water
8	15781	5	N	TIBBETTS CREEK King County unpublished data from station A630 (Tibbetts Creek RM 1.0) show the criterion	EA48LQ n was excee	-	24N 987, 198		_	Temperature en 1/91 and 4/9		Water
8	11918	5	N	UNION LAKE King County unpublished data from station 527 show excursions beyond the National Toxic	043HCN Rule criterio	25N on on 14		-	l 25 June 1998.	Aldrin		Water

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King County unpublished data from station 527 show the chronic criterion was exceeded 7 days in samples collected in 1998 and 2000.

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UNION LAKE

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043HCN 25N 04E 19

Lead

Water

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter Remarks	Medium
8	42155	5	N	UNNAMED CREEK (116th DITCH) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 37 (116th Ditch) the following dates: 6/28/2001, 10/4/2001, 7/11/2002, 12/19/2002, 6/23/2003, 9/30/2003.	YR12LU shows 8 exc	0.004 cursions b	26N eyond t			Dissolved oxygen collected on	Water
8	42157	5	N	UNNAMED CREEK (116th DITCH) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 37 (116th Ditch) 2001, and 2003.	YR12LU shows quart	0.004 erly samp	26N bles exc			Fecal Coliform ion in years	Water
8	42136	5	N	UNNAMED CREEK (46th ST AT W LAKE SAMMAMISH PKWY) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 26 (46th & W Lk criterion in years 2001, 2002, and 2003.	MK51YF Samm Pkw	-	_	05E ly sam	-	Fecal Coliform percentile	Water
8	42139	5	N	UNNAMED CREEK (5050 AT W LAKE SAMMAMISH PKWY) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 27 (5050 @ W Lecriterion in years 2001, 2002, and 2003.	QV69BQ k Samm. Pk	-	-	05E erly sa		Fecal Coliform percentile	Water
8	42154	5	N	UNNAMED CREEK (AT AVONDALE AND 116th ST) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 35 (Avondale @ years 2001, 2002, and 2003.	EU47RU 116th) show	-		06E les ex		Fecal Coliform le criterion in	Water
8	42116	5	N	UNNAMED CREEK (BIRDCAGE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 2 (Birdcage) show 2002, and 2003.	UNK000 ws quarterly	•	_	06E ed the	_	Fecal Coliform in years 2001,	Water
8	42131	5	N	UNNAMED CREEK (OVERLAKE SEARS TRUNKLINE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 25 (Overlake Sea collected on the following dates: 5/10/2001, 6/26/2001, 10/2/2001, 7/10/2002, 10/29/2002,		e) shows	8 excur			Dissolved oxygen from samples	Water
8	42133	5	N	UNNAMED CREEK (OVERLAKE SEARS TRUNKLINE) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 25 (Overlake Sea criterion in years 2001, 2002, and 2003.	UNK000 ars Trunk lin	-	-	05E ly sam		Fecal Coliform percentile	Water
8	42148	5	N	UNNAMED CREEK (REDMOND 74 CREEK) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 33 (Redmond 74 years 2001, and 2003.	AS25AG Stream) sh	-		05E nples		Fecal Coliform ntile criterion in	Water

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WRIA	WRIA Listing ID Category 98 List?		98 List?	Waterbody Name Basis	Location	Informatio	n				Paramete	r Remarks	Medium
8	42151	5	N	UNNAMED CREEK (REDMOND HS CREEK) City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 34 (Redmond HS criterion in years 2001, 2002, and 2003.	MM70RV S Stream @		26N ows qua		_	es exceeded	Fecal Co		Water
8	42125	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Smonitoring data collected between 7/2001 - 10/2002.	TT34CE Stream) sho	_	_	05E sions b	-	I the criterion		ed oxygen ous	Water
8	42127	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Syears 2001, 2002, and 2003.	TT34CE Stream) sho	_		05E oles ex		d the percen	Fecal Co		Water
8	42126	5	N	VILLA MARINA CREEK City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 15 (Villa Marina Smonitoring data collected between 7/2001 - 11/2002.	TT34CE Stream) sho	-		05E sions b		I the criterion	Tempera for continu		Water
8	11966	5	N	WASHINGTON LAKE King County unpublished data from station 826 show 8 excursions beyond the criterion out	-	471220 les collecte		47.68 een 19	-	122.235 d 2002.	Ammoni	a-N	Water
8	11968	5	N	WASHINGTON LAKE King County unpublished data from station 831 show 9 excursions beyond the criterion out	-	47122F les collecte		47.51 een 19	-	122.215 d 2002.	Ammoni	a-N	Water
8	12182	5	Y	WASHINGTON LAKE King County unpublished data from station 0806SB show a geometric mean of 119 cfu/100n County unpublished data from station 0806SB show a geometric mean of 254 cfu/100mL wit unpublished data from station 0806SB show a geometric mean of 100 cfu/100mL with 43% unpublished data from station 0806SB show a geometric mean of 141 cfu/100mL with 56% data from station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with 56% exceeding the station 0806SB show a geometric mean of 134 cfu/100mL with	mL with 49% ith 76% exceeding exceeding	eeding the the percer the percer	ng the percer tile crite	ntile criterion du erion du erion du	ile crite terion uring 2	during 1999. 2000. King C	King Coun county	ty	Water
8	12184	5	Y	WASHINGTON LAKE King County unpublished data from station 0813SB show a geometric mean of 18 cfu/100m unpublished data from station 0813SB show a geometric mean of 26 cfu/100mL with 10% of data from station 0813SB show a geometric mean of 17 cfu/100mL with 5% exceeding the station 0813SB show a geometric mean of 12 cfu/100mL with 0% exceeding the percentile 0813SB show a geometric mean of 9 cfu/100mL with 0% exceeding the percentile criterion	L with 16% exceeding to percentile contiterion dur	he percen criterion du ring 2001.	g the pe tile crite ıring 199	rion du 99. Kin	e criter iring 19 ig Cou	998. King Co nty unpublisl	ounty unpub ned data fro	ounty lished	Water

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V V I XI/ X	Library ID Oak	gury	JU LIST.	Waterbody Name	Location	momation			i didilictoi	Mediam
				Basis					Remarks	
8	12187	5	Υ	WASHINGTON LAKE	213HVK	47122G2J7	47.695	122.275	Fecal Coliform	Water
	8 12188 5 N			King County unpublished data from station 0818SB show a geometric mean of 230 cfu/100r County unpublished data from station 0818SB show a geometric mean of 93 cfu/100mL with unpublished data from station 0818SB show a geometric mean of 59 cfu/100mL with 25% e data from station 0818SB show a geometric mean of 114 cfu/100mL with 47% exceeding the station 0818SB show a geometric mean of 98 cfu/100mL with 50% exceeding the percentile	h 42% exce exceeding the ne percentile	eding the percent ne percentile crite e criterion during	ntile criterion terion during	n during 1999. 2000. King Co	King County county unpublished	
8	12188	5	N	WASHINGTON LAKE	213HVK	47122F2I8	47.585	122.285	Fecal Coliform	Water
				King County unpublished data from station 0820SB show a geometric mean of 67 cfu/100m	L with 47%	exceeding the	percentile cr	iterion during 1	1998.	
				King County unpublished data from station 0820SB show a geometric mean of 28 cfu/100m	L with 20%	exceeding the	percentile cr	iterion during 1	1999.	
				King County unpublished data from station 0820SB show a geometric mean of 18 cfu/100m	nL with 5% e	exceeding the p	ercentile crit	erion during 20	000.	
				King County unpublished data from station 0820SB show a geometric mean of 22 cfu/100m	nL with 14%	exceeding the	percentile cr	iterion during 2	2001.	
				King County unpublished data from station 0820SB show a geometric mean of 18 cfu/100m	nL with 17%	exceeding the	percentile cr	iterion durina 2	2002.	
						3		3		
8	12189	5	N	WASHINGTON LAKE		47122G2F1	47.655	122.215	Fecal Coliform	Water
				King County unpublished data from station 0825SB show a geometric mean of 17 cfu/100m				J		
				King County unpublished data from station 0825SB show a geometric mean of 13 cfu/100m	L with 10%	exceeding the	percentile cr	iterion during 1	1999.	
				King County unpublished data from station 0825SB show a geometric mean of 20 cfu/100m	L with 0% e	exceeding the p	ercentile crit	erion during 20	000.	
				King County unpublished data from station 0825SB show a geometric mean of 32 cfu/100m	L with 20%	exceeding the	percentile cr	iterion during 2	2001.	
				King County unpublished data from station 0825SB show a geometric mean of 20 cfu/100m	L with 10%	exceeding the	percentile cr	iterion during 2	2002.	
8	12191	5	Υ	WASHINGTON LAKE	213HVK	47122G2I4	47.685	122.245	Fecal Coliform	Water
				King County unpublished data from station 0826OLA show a geometric mean of 43 cfu/100 County unpublished data from station 0826OLA show a geometric mean of 48 cfu/100mL w unpublished data from station 0826OLA show a geometric mean of 31 cfu/100mL with 12% King County unpublished data from station 0826SB show a geometric mean of 24 cfu/100mL county unpublished data from station 0826SB show a geometric mean of 32 cfu/100mL with unpublished data from station 0826SB show a geometric mean of 39 cfu/100mL with 14% edata from station 0826SB show a geometric mean of 39 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 36 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 36 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with 26% exceeding the station 0826SB shows a geometric mean of 30 cfu/100mL with	with 25% exceeding a with 16% h 20% exceeding the percentile	ceeding the percentile content the percentile content exceeding the percent percentile criterion during	centile criteri riterion durin percentile cr entile criterion terion during	on during 2001 ng 2002. iterion during 1 n during 1999. 2000. King C	I. King County 1998. King King County ounty unpublished	

station 0826SB show a geometric mean of 12 cfu/100mL with 12% exceeding the percentile criterion during 2002.

Location Information

Medium

Parameter

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location I	nformation			Parameter	Medium Remarks	
8	12193	5	Y	WASHINGTON LAKE King County unpublished data from station 0828SB show a geometric mean of 220 cfu/100r County unpublished data from station 0828SB show a geometric mean of 82 cfu/100mL with unpublished data from station 0828SB show a geometric mean of 94 cfu/100mL with 56% e data from station 0828SB show a geometric mean of 31 cfu/100mL with 20% exceeding the station 0828SB show a geometric mean of 105 cfu/100mL with 50% exceeding the percentil	n 35% excee xceeding the percentile o	exceeding the eding the percer e percentile crite criterion during 2	ntile criterion erion during 2	during 1999. k 2000. King Cou	(ing County unty unpublished		
8	12195	5	Y	WASHINGTON LAKE King County unpublished data from station 831 show a geometric mean of 13 cfu/100mL with King County unpublished data from station 831 show a geometric mean of 13 cfu/100mL with King County unpublished data from station 831 show a geometric mean of 4 cfu/100mL with King County unpublished data from station 831 show a geometric mean of 6 cfu/100mL with King County unpublished data from station 831 show a geometric mean of 5 cfu/100mL with	th 18% exce th 12% exce i 0% exceed i 0% exceed	eding the perce ling the percenti	entile criterior le criterion d le criterion d	n during 1999. uring 2000. uring 2001.	Fecal Colifor	rm Water Listed as Grid Cell 47122F2l6 on 1998 listkk	
8	12198	5	Y	WASHINGTON LAKE King County unpublished data from station 0834SB show a geometric mean of 466 cfu/100r King County unpublished data from station 0834SB show a geometric mean of 244 cfu/100r King County unpublished data from station 0834SB show a geometric mean of 109 cfu/100r King County unpublished data from station 0834SB show a geometric mean of 103 cfu/100r	mL with 90% mL with 67% mL with 50%	exceeding the	percentile cr	iterion during 1	999.	rm Water Listed as Grid Cell 47122G2B1 on 1998 listkk	
8	12199	5	N	WASHINGTON LAKE King County unpublished data from station 083930SB show a geometric mean of 35 cfu/100 King County unpublished data from station 083930SB show a geometric mean of 43 cfu/100 King County unpublished data from station 083930SB show a geometric mean of 42 cfu/100 King County unpublished data from station 083930SB show a geometric mean of 38 cfu/100 King County unpublished data from station 083930SB show a geometric mean of 32 cfu/100	OmL with 21 OmL with 35 OmL with 26 OmL with 11	% exceeding the % exceeding the % exceeding the	e percentile of	criterion during criterion during criterion during	1999. 2000. 2001.	rm Water	

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformation			Parameter	Medium		
				Basis					Remarks			
8	12202	5	N	WASHINGTON LAKE	213HVK	47122G2B3	47.615	122.235	Fecal Coliform	Water		
				King County unpublished data from station 0860SB show a geometric mean of 121 cfu/100r County unpublished data from station 0860SB show a geometric mean of 54 cfu/100mL with unpublished data from station 0860SB show a geometric mean of 87 cfu/100mL with 46% e data from station 0860SB show a geometric mean of 89 cfu/100mL with 36% exceeding the station 0860SB show a geometric mean of 23 cfu/100mL with 9% exceeding the percentile 0852SB show a geometric mean of 21 cfu/100mL with 18% exceeding the percentile criterion	h 24% excee exceeding the percentile of criterion dur	eding the percer e percentile crite criterion during 2 ing 2002. King (ntile criterion erion during 2001. King C	n during 1999. 2000. King Co County unpubli	King County bunty unpublished shed data from			
8	12204	5	Υ	WASHINGTON LAKE	213HVK	47122F2C6	47.525	122.265	Fecal Coliform	Water		
				King County unpublished data from station 4903 show a geometric mean of 34 cfu/100mL with 2000 unpublished data from station 4903 show a geometric mean of 49 cfu/100mL with 33% exceedata from station 4903 show a geometric mean of 22 cfu/100mL with 8% exceeding the perstation 4903 show a geometric mean of 35 cfu/100mL with 25% exceeding the percentile crishow a geometric mean of 37 cfu/100mL with 29% exceeding the percentile criterion during	eeding the p centile criter iterion durin	ercentile criterio ion during 2000	n during 199 . King Coun	99. King County ty unpublished	ty unpublished d data from			
8	12205	5	Υ	WASHINGTON LAKE	213HVK	47122F2D6	47.535	122.265	Fecal Coliform	Water		
				King County unpublished data from station 4903SB show a geometric mean of 43 cfu/100m unpublished data from station 4903SB show a geometric mean of 25 cfu/100mL with 30% of data from station 4903SB show a geometric mean of 17 cfu/100mL with 15% exceeding the station 4903SB show a geometric mean of 62 cfu/100mL with 10% exceeding the percentile 4903SB show a geometric mean of 56 cfu/100mL with 42% exceeding the percentile criterion	exceeding the percentile e criterion du	ne percentile crit criterion during : uring 2001. King	erion during 2000. King (1999. King Co County unpubl	ounty unpublished ished data from			
8	12206	5	Υ	WASHINGTON LAKE	213HVK	47122G2H0	47.675	122.205	Fecal Coliform	Water		
				King County unpublished data from station A422SB show a geometric mean of 74 cfu/100m unpublished data from station A422SB show a geometric mean of 23 cfu/100mL with 0% expenses the control of the country of the coun					1998. King County			
8	12208	5	N	WASHINGTON LAKE	213HVK	47122F2I2	47.585	122.225	Fecal Coliform	Water		
				King County unpublished data from station SD017SB show a geometric mean of 16 cfu/100	mL with 5%	exceeding the	percentile cr	iterion during	1998.			
				King County unpublished data from station SD017SB show a geometric mean of 12 cfu/100	mL with 0%	exceeding the	percentile cr	iterion during	1999.			
				King County unpublished data from station SD017SB show a geometric mean of 51 cfu/100mL with 26% exceeding the percentile criterion during 2000.								
				King County unpublished data from station SD017SB show a geometric mean of 22 cfu/100	mL with 0%	exceeding the	percentile cr	iterion during 2	2001.			
				King County unpublished data from station SD017SB show a geometric mean of 4 cfu/100n	nL with 0% e	exceeding the pe	ercentile crit	erion during 20	002.			
8	43482	5	N	WASHINGTON LAKE	213HVK	47122H2E6	47.745	122.265	Total PCBs	Tissue		
				Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the National Control of the Co	onal Toxics	Rule criterion fo	r Total PCB	S				

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter Remarks	Medium			
8	36162	5	N	WEAVER (WOODIN) CREEK City of Woodinville unpublished data show the geometric mean of 673 cfu/100mL from 2 sar unpublished data show the geometric mean of 212 cfu/100mL from 8 samples collected in 2 the geometric mean of 800 cfu/100mL from 1 samples collected in 2002 at NE 171st Street.		ted in 20	000 at N		st Street. City of Wo		Water			
8	42119	5	N	WILLOWS CREEK	VL36DA	0.16		05E		Dissolved oxygen	Water			
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 10 (Willows Creek continuous monitoring data collected between 4/2002 - 11/2002.	k @ Willows	Rd) sho	ws mul	tiple ex	cursions beyond the	criterion for				
8	42124	5	N	WILLOWS CREEK	VL36DA	0.16	25N	05E	03	Fecal Coliform	Water			
				City of Redmond (data submitted by Daren Baysinger on 4/24/04), station 10 (Willows Creek criterion in years 2001, and 2003.	k @ Willows	Rd) sho	ws qua	rterly s	amples exceeded th	e percentile				
8	15795	5	N	YARROW BAY CREEK	IE91MG	3.175	25N	05E	17	Dissolved oxygen	Water			
				King County unpublished data from station A499 (Yarrow Bay Tributary WDF# 08.0252 at RM 0.1) show excursions beyond the criterion in 1993, 1994, and 1996.										
8	15796	5	Υ	YARROW BAY CREEK	IE91MG	3.175	25N	05E	17	Fecal Coliform	Water			
				King County unpublished data from station A499 (Yarrow Bay Tributary WDF# 08.0252 at R	M 0.1) show	v the ged	ometric	mean c	criterion was exceed	ed in 1990. WASWIS was lister	d as IE91MG on 1998 listkk			
9	12613	5	N	ANGLE LAKE	276YAS	22N	04E (03		Fecal Coliform	Water			
				Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples criterion in 2003. Samples were collected near Angle Lake Park recreation area and reflects						the percentile T22N R04E S03				
				King County unpublished data from station A732 show a geometric mean of 380 cfu/100mL unpublished data from station A732 show a geometric mean of 68 cfu/100mL with 0% exceeds						98. King County				
9	42303	5	N	BARNES CREEK	MW05BA	0	22N	04E	17	Dissolved oxygen	Water			
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 1 sample in 1998, and 1			on BA-1	shows	the following excee	dances of the				
9	42304	5	N	BARNES CREEK	MW05BA	0	22N	04E	17	Fecal Coliform	Water			
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines 913.06 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 355.73 e percentile criterion; in 1998 a geometric mean of 2259.46 exceeded the criterion and 5 of 5 geometric mean of 467.53 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the	; in 1996 a exceeded the samples (1	geometr e criterio 00.0%) e	ic mean n and 8	of 491 of 9 sa	.93 exceeded the cr amples (88.9%) exce	iterion and 5 of eeded the				

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	ıformatioı	n			Parameter	Remarks	Medium
9	15866	5	Y	BIG SOOS CREEK King County unpublished data from station L320 (Soos Creek RM 10.5) show excursions beyond	VY43OI ond the crit	18.07 erion ead		05E between		Dissolved o		Water CREEK SYSTEM on 1998 listkk
9	15867	5	Y	BIG SOOS CREEK King County unpublished data from station M320 (Soos Creek RM 10.0) show excursions be	VY43OI eyond the ci	16.347 riterion in				Dissolved o		Water CREEK SYSTEM on 1998 listkk
9	13160	5	Y	BIG SOOS CREEK King County unpublished data from station A320 (Soos Creek RM 0.7) show standards were Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near A and that 0% of the samples does not exceed the percentile criterion from 9 samples collected. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near A and that 0% of the samples does not exceed the percentile criterion from 4 samples collected. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near A and that 11% of the samples exceeds the percentile criterion from 9 samples collected during Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09B090 (Big Soos Creek near A and that 0% of the samples does not exceed the percentile criterion from 3 samples collected.	uburn) shov d during 199 uburn) shov d during 199 uburn) shov g 1994, with uburn) shov	vs a geor 99. vs a geor 98. vs a geor only 1 sa vs a geor	s collection metric remetric r	mean o	998, 2000, 2001 and f 41 does not exceed f 23 does not exceed f 39 does not exceed the percentile of	I the criterion I the criterion I the criterion criterion.		Water CREEK SYSTEM on 1998 listkk
9	15870	5	Y	BIG SOOS CREEK King County unpublished data from station L320 (Soos Creek RM 10.5) show excursions be	VY43OI eyond the g	18.07 eometric		05E criterior		Fecal Colifo		Water CREEK SYSTEM on 1998 listkk
9	15871	5	Y N	BIG SOOS CREEK King County unpublished data from station N320 (Soos Creek RM 8.2) show excursions be King County unpublished data from station P320 (Soos Creek RM 7.5) show no excursions be from samples taken between 1993-1997. 3 excursions beyond the upper criterion out of 43 samples (7%) collected at King County state COVINGTON CREEK King County unpublished data from station C320 (Covington Creek RM 0.5) show standards	yond the pe beyond either tion P320 (S	er the geo	eriterion ometric ek RM 21N	mean (7.5) be	3 and 1997. criterion or the perce tween 1/91 and 4/97	Fecal Colifo	Name was SOOS (Water CREEK SYSTEM on 1998 listkk Water
9	13156	5	Y	2000. CRISP CREEK	XM98DY		•	06E		Fecal Colifo	rm	Water

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King County unpublished data from station 321 (Crisp Creek RM 1.8) show standards were not met each year in samples collected between 1998 and 2002.

WRIA	Listing ID Cate	gory 9	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
9	42309	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Copper		Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines 7/9/1995, 10/20/1995, 11/7/1995, 3/3/1996, 3/31/1996, 4/22/1996, 9/3/1996, 4/22/1997, and						es collected 12/8/1994,		
9	42306	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Dissolved ox	ygen	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 2 samples in 1995, 2 samples in 1996, 2 samples in 1997, 3 samples in 1998, and			n DM-	1 show	s the follow	ing exceedances of the		
9	42310	5	N	DES MOINES CREEK	VX71MY	0	22N	04E	08	Dissolved ox	ygen	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 1 sample in 1998, and 1		, .	n DM-	2 show	s the follow	ing exceedances of the		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Cr nr Mou collected between 1993 - 2001 measured on this date: 94/07/20.	th) shows 1	excursio	ns be	yond th	e criterion o	out of 12 samples		
9	42313	5	N	DES MOINES CREEK	VX71MY	2.677	22N	04E	04	Dissolved ox	ygen	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines exceedances of the criterion; 2 samples in 1995, and 1 sample in 1996.	on 3/15/200)4), statio	n DM-	3 (mair	stem) show	vs the following	Policy 1-11 (ssessment of data it wa (updated 9/03) was over ears of data excursions
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines	on 3/15/200)4), statio	n DM-	5 (west	tributary) s	shows the following	•	. Based on a review of

exceedances of the criterion; 2 samples in 1995, and 2 samples in 1996.

was determined that WQ verly restrictive for the ns needed to list for D.O. of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

be impaired. (Braley, ECY/WQP, 2003)

12568 5 Y **DES MOINES CREEK** VX71MY 0 22N 04E 08 **Fecal Coliform** Water

to

Hallock (2004), Dept. of Ecology Ambient Monitoring Station 09C070(Des Moines Creek near Mouth) shows a geometric mean of 116.8 exceeds the criterion and Hallock (2004) data was reassessed due to comment #0229 that 4 of 9 samples (44%) exceeded the percentile criterion.

from Port of Seattle. Data was obtained from Ecology's Environmental Information Management (EIM) database.

Hallock (2001), Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Creek near Mouth) shows a geometric mean of 67 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09C070 (Des Moines Creek near Mouth) shows a geometric mean of 30 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.

Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station DM-2 shows 3 of 3 samples (100.0%) exceeded the percentile criterion; in 1995 a geometric mean of 1302.95 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion; in 1996 a geometric mean of 278.14 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 383.64 exceeded the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 477.19 exceeded the criterion and 3 of 5 samples (60.0%) exceeded the percentile criterion; in 1999 a geometric mean of 146.58 exceeded the criterion and 5 of 8 samples (62.5%) exceeded the percentile criterion.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
9	42307	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Fecal Colifor	rm	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of 1245.10 exceeded the criterion and 6 of 7 samples (85.7%) exceeded the percentile criterion 8 samples (62.5%) exceeded the percentile criterion; in 1997 a geometric mean of 286.57 e percentile criterion; in 1998 a geometric mean of 721.98 exceeded the criterion and 3 of 5 samples of 90.41 exceeded the criterion and 2 of 8 samples (25.0%) exceeded the percentile criterion.	i; in 1996 a exceeded the amples (60	geometr e criterio	ric mea n and	n of 16 7 of 9 s	65.34 exceeded the camples (77.8%) exc	criterion and 5 o eeded the		
9	42314	5	N	DES MOINES CREEK	VX71MY	2.677	22N	04E	04	Fecal Colifor	rm	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of (66.7%) exceeded the percentile criterion. Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of (66.7%) exceeded the percentile criterion.		,,		`	,	·		
9	42308	5	N	DES MOINES CREEK	VX71MY	2.013	22N	04E	09	Zinc		Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of 9/3/1996 exceeded the chronic criterion.	on 3/15/200)4), statio	n DM-	1 show	s 2 samples collecte	d 7/9/1995 and		
9	42352	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Copper		Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines collected 7/19/1995, 12/7/1995, and 3/27/1996 exceeded the chronic criterion.	on 3/15/200	04), statio	n DM-	6 (east	tributary) shows 3 sa	amples		
9	42350	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Dissolved or	xygen	Water
to				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of exceedances of the criterion; 2 samples in 1995, and 1 sample in 1996.	on 3/15/200	04), statio	n DM-(6 (east	tributary) shows the	following	Policy 1-11 (updated number of years of dimpairments. Base DO statewide, it was excursions for at lea	tent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ve indicator that a waterbody continues
to											be impaired. (Braley	y, ECY/WQP, 2003)
9	42351	5	N	DES MOINES CREEK, EAST TRIBUTARY	CL09EE	0.731	23N	04E	33	Fecal Colifor	rm	Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines (66.7%) exceeded the percentile criterion.	on 3/15/200	04), statio	n DM-	6 (east	tributary) shows 2 or	f 3 samples		
9	12614	5	N	DOLLOFF LAKE	194FPO	21N (04E	10		Fecal Colifor	rm	Water
				King County unpublished data from station A731 show a geometric mean of 59 cfu/100mL with unpublished data from station A731 show a geometric mean of 20 cfu/100mL with 0% exceeds						King County		

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WRIA	Listing ID Catego	ry 98 List	Waterbody Name Basis	Location I	nformatio	า			Parameter	Remarks	Medium
9	14087 5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple of the state o	IG58VD le fish compo	12.189 site of ed				4,4'-DDD nd Bridelip		Tissue
9	14088 5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple sucker samples collected in 1984.	IG58VD le fish compo	12.189 esite of ed				4,4'-DDE nd Bridelip		Tissue
9	14086 5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple sucker samples collected in 1984.	IG58VD le fish compo	12.189 esite of ed				4,4'-DDT nd Bridelip		Tissue
9	14089 5	N	DUWAMISH WATERWAY AND RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple sucker samples collected in 1984.	IG58VD le fish compo	12.189 esite of ed	_	-	_	ALPHA-BHO	:	Tissue
9	12702 5	N	DUWAMISH WATERWAY AND RIVER King County unpublished data from station 305 (Duwamish West Waterway) show excursion and 2001.	DH90GX ons beyond the		24N ed oxyg			Dissolved o tween 1998	xygen	Water
9	12703 5	N	DUWAMISH WATERWAY AND RIVER King County unpublished data from station 307 (Duwamish River RM 4.1) show excursions 2001.	IG58VD s beyond the	7.779 dissolved	24N oxygen			Dissolved o een 1998 and	, 0	Water
9	36171 5	N	DUWAMISH WATERWAY AND RIVER Myers, et al. 1998. show English sole with high prevalences of hepatic necoplasms and p concentrations and levels of CYPIA expressions at PAH contaminated sites. Myers et al. precursors to the development of hepatocellular and billiary necoplasms in fish exposed to	1995. show	focal legic	ns and	ant re	dcution in DNS addu	PAHs ct a are		Tissue
9	7467 5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions be 1994 and 1995.	IG58VD beyond the cr	1.63 iterion out		04E imples		pH (ellogg) during	High pH	Water
9	7468 5	Y	DUWAMISH WATERWAY AND RIVER Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions by 1994 and 1995;	IG58VD beyond the cr	3.281 iterion out	24N of 3 sa			pH ellogg) during	High pH	Water

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Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions beyond the criterion out of 3 samples at Station 3 (Cement Triangle) during 1994 and 1995.

WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location	Informat	ion			Parameter	Remarks	Medium
				Dasis							Remarks	
9	7470	5	Υ	DUWAMISH WATERWAY AND RIVER	IG58VD	5.034	24N	04E	30	pН		Water
				Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions be during 1994 and 1995.	peyond the c	riterion c	out of 3	samples	at Station 4 (Oil	Slick Beach)	High pH	
9	7471	5	Υ	DUWAMISH WATERWAY AND RIVER	IG58VD	5.565	24N	04E	29	рН		Water
				Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 5 excursions be during 1994 and 1995.	peyond the c	riterion c	out of 5	samples	at Station 5 (Ch	ief Seattle Beach)	High pH	
9	7472	5	Υ	DUWAMISH WATERWAY AND RIVER	IG58VD	7.779	24N	04E	33	рН		Water
				Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions by 1994 and 1995.	peyond the c	riterion c	out of 4 s	samples	at Station 6 (Sm	nelt Beach) during	High pH	
				King County unpublished data from station 307 show 2 excursions beyond the criteria out of	of 57 all sam	ples coll	ected b	etween	1998 and 2002.			
9	7474	5	Υ	DUWAMISH WATERWAY AND RIVER	IG58VD	11.52	7 23N	04E	09	рН		Water
				Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 3 excursions be during 1994 and 1995.	peyond the c	riterion c	out of 5	samples	at Station 8 (Trii	maran Mudflats)	High pH	
9	7475	5	Υ	DUWAMISH WATERWAY AND RIVER	IG58VD	15.02	1 23N	04E	11	рН		Water
				Muckleshoot Indian Tribal data (submitted by Karen Walter on 3/1/96) show 8 excursions by 1994 and 1995.	peyond the c	riterion c	out of 8 s	samples	at Station 9 (Da	iry Farm) during	High pH	
9	8192	5	Υ	DUWAMISH WATERWAY AND RIVER	DH90GX	0	24N	03E	12	Total PCBs		Tissue
				Johnson and Davis, 1996., excursion beyond the National Toxics Rule criterion calculate shore of west waterway, just upstream of Fisher Mills.	d for tissue i	n musse	el sample	es colle	cted in 1995 from	n site on east		
9	14090	5	N	DUWAMISH WATERWAY AND RIVER	IG58VD	12.18	9 23N	04E	10	Total PCBs		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multip sucker samples collected in 1984.	le fish comp	osite of e	edible tis	ssue of I	Mountain whitefis	sh and Bridelip		

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Basis

Remarks

9 33698 5 N DUWAMISH WATERWAY AND RIVER

IG58VD 3.281 24N 04E 19

Total PCBs

Tissue

Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992 and 1995 from English sole (Pleuronectes vetulus) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1997 from English sole (Pleuronectes vetulus) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992-1996 from coho salmon (Oncorhynchus kisutch) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of 4 muscle samples collected in 1998 and 2000 from coho salmon (Oncorhynchus kisutch) samples from station DUWAMISH. Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle samples collected in 1992-1996 from chinook salmon (Oncorhynchus tshawytscha) samples from station DUWAMISH.

9 15708 5 Y ELLIOTT BAY

390KRD 47122F3J6 47.595 122.365 Fecal Coliform

Water

Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 3 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1991. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 5 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1992. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 4 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1993. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 10 does not exceed the criterion and that 29% of the samples exceeds the percentile criterion from 7 samples collected during 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 7 does not exceed the criterion and that 12% of the samples exceeds the percentile criterion from 8 samples collected during 1995, with only 1 sample that exceeds the percentile criterion.. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 18 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 8 does not exceed the criterion and that 12% of the samples exceed the percentile criterion from 8 samples collected during 1997. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 8 does not exceed the criterion and that 25% of the samples exceed the percentile criterion from 4 samples collected during 1998. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station ELB015 (Elliott Bay - E. of Duwamish Head) shows a geometric mean of 2 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1999.

9 15802 5 Y ELLIOTT BAY

390KRD 47122G3C6 47.625 122.365 Fecal Coliform

Water

Water

King County data (submitted by Kimberle Stark on 4/15/04) station LTAB01 (inner Elliott Bay) shows 3 of 12 samples (25.0%) exceeded the percentile criterion in year 2003.

Seattle-Metro unpublished data from station LTAB01 exceeded the geometric mean criterion each year between 1988 and 1991.

9 15803 5 Y ELLIOTT BAY

390KRD 47122F3J4 47.595 122.345 Fecal Coliform

al Coliform Water

Seattle-Metro unpublished data from station LTEH02 exceeded the geometric mean criterion each year between 1987 and 1991.

9 42494 5 N FAUNTLEROY COVE

390KRD 47122F3C9 47.525 122.395 Fecal Coliform

King County data (submitted by Kimberle Stark on 4/15/04) station LSVW01 (Fauntleroy Cove) shows 2 of 11 samples (18.2%) exceeded the percentile criterion in year 2003.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Ir	formatio	n			Parameter	Medium Remarks	
9	6655	5	Y	FAUNTLEROY CREEK	BS29QB	0	24N	03E	99	Fecal Colifor	m Water	language The wester
				Kendra, 1989. Multiple excursions beyond the upper criterion at the mouth in 1988.							Data is only available in hard segment is listed as Category assessment.	
9	6656	5	Υ	FAUNTLEROY CREEK	BS29QB	0.013	24N	03E	35	Fecal Colifor	m Water	
				Kendra, 1989. Multiple excursions beyond the upper criterion at the mouth in 1988.							Data is only available in hard segment is listed as Category assessment.	
9	6336	5	N	FENWICK LAKE	669TAC	22N (04E 2	6		Total Phosp	norus Water	
education	ì.			Completed Phase I Federal Clean Lakes Restoration Project in 1991- Problems Encountere phosphorus recycling, storm water, shoreline erosion. King County Volunteer Citizen Monitoring Program unpublished data show show summer monutrient criterion in 2001.	Ü	J ,			, , ,	•	Phase I study -phosphorus p hypolimnetic aeration, waters (ordinances, sediment reduct attenuation), structural storm TMDL based on Phase IB R 3/9/92; EPA approved TMDL	sures underway based on the recipitation/inactivation, shed nutrient management tions, passive nutrient
9	10721	5	N	FIVEMILE LAKE	919NRP	21N (04E 2	7		Fecal Colifor	m Water	
				King County unpublished data from station A735 show a geometric mean of 123 cfu/100mL unpublished data from station A735 show a geometric mean of 23 cfu/100mL with 0% exceed King County unpublished data from station A735SB show a geometric mean of 59 cfu/100mL unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometric mean of 14 cfu/100mL with 6% exceeds the county unpublished data from station A735SB show a geometr	ding the per L with 33% e	centile c	riterion g the pe	during ercentil	1999. le criterion during 200	0 ,	/	
9	7476	5	Υ	GALE CREEK	ML05JG	0	21N	08E	36	Temperature	Water	
				Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) during 8/97 and 9/97 at Gale Creek RM 0.1.	show 26 ex	cursions	beyond	I the cr	iterion out of 60 sam	ples (43%)	Continuous temperature mea results reported as single day is continued from 1998 asses excursions from continuous r	y maximums. Category 5 listing ssment based on multiple

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W	'RIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Information					Parameter Remarks	Medium
	9	10812	5	N	GREEN RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (GREEN RIVER AT TU collected between 1993 - 2001 measured on these dates: 94/07/20, 95/07/19, 96/07/24, King County unpublished data from station 3106 (Green RM 12.5) show excursions beyond King County unpublished data from station 311 (Green River RM 1.0) show excursions beyond 2002.	the dissolv	ed oxyge	n criter	is beyo	ond the criterio	2000, 2001 and 2002.	Water
	9	12708	5	N	GREEN RIVER	YD05HE	48.857			28	Dissolved oxygen	Water

King County unpublished data from station B319 (Green RM 41.5) show excursions beyond the dissolved oxygen criterion in 1998, 1999, and 2000.

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Υ **GREEN RIVER** 12569 5 YD05HE 1.024 23N 04E 24 **Fecal Coliform** Water

Hallock (2004), Dept. of Ecology ambient station 09A080 shows 2 of 12 samples (16.7%) in year 2002 exceeded the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 37 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 38 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD, ON INTERUR) shows a geometric mean of 44 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 15 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 103 exceeds the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 138 exceeds the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 76 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 120 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (AT 405 AND SOUTHCENTER BLVD. ON INTERUR) shows a geometric mean of 74 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 12 samples collected during 1993.

King County unpublished data from station 311 (Green River RM 1.0) show standards were not met in samples collected during 1998, 2001 and 2002.

King County unpublished data from station 3106 (Green RM 12.5) show standards were not met each year in samples collected between 1998 and 2002.

9 13159 5 Υ **GREEN RIVER** YD05HE 36.692 21N 05E 21 **Fecal Coliform** Water

King County unpublished data from station A319 (Green RM 34.) show standards were not met in 1998 in samples collected between 1998 and 2002.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A130 (Green R. above Big Soos Creek near Auburn) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A130 (Green R, above Big Soos Creek near Auburn) shows a geometric mean of 26 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1994.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
											· Conduction
9	16703	5	Υ	GREEN RIVER	YD05HE	10.496	22N	04E	11	Fecal Colifo	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A090 (Green R. at 212th St. criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collect Monitoring Station 09A090 (Green R. at 212th St. near Kent) shows a geometric mean of 1 percentile criterion from 9 samples collected during 1994.	ted during 1	993.; H	allock (2	2001) [Dept. of Ecology Aml	pient	
9	6574	5	N	GREEN RIVER	YD05HE	71.886	21N	07E	10	Temperature	e Water
				Dept. of Ecology unpublished data from core ambient monitoring station 09A190 (AT BRIDG daily maximum values of 18.6 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecolo KANASKAT) shows 0 excursions beyond the criterion out of 63 samples collected between	gy Ambient	Monitorin					
				Raforth, et al. 2002. show no excursions beyond the criterion from samples collected in 200	0 and 2001						
9	7037	5	Υ	GREEN RIVER	YD05HE	1.024	23N	04E	24	Temperature	e Water
				King County unpublished data from station 3106 (Green RM 12.5) show temperature criterion	on was exce	eeded in a	all years	s betwe	een 1998 and 2002.		
				King County unpublished data from station 311 (Green River RM 1.0) show temperature crit	erion was e	xceeded i	in all ye	ars be	tween 1998 and 200	0.	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09A080 (GREEN RIVER AT TU collected between 1993 - 2001 measured on these dates: 94/07/20, 94/08/17, 95/07/19, 95/07/			cursion	s beyo	nd the criterion out c	f 62 samples	
9	7043	5	N	GREEN RIVER	YD05HE	48.857	21N	06E	28	Temperature	e Water
				King County unpublished data from station B319 (Green RM 41.5) show temperature criterion	n was exce	eded in a	II years	betwe	een 1998 and 2002.		
9	7478	5	Υ	GREEN RIVER	FK76HV	0	22N	04E	15	Temperature	e Water
				Caldwell, 1994., multiple excursions beyond the criterion at RM 20 in 1992.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
9	7479	5	Υ	GREEN RIVER	YD05HE	22.702	22N	05E	30	Temperature	e Water
				Caldwell, 1994., multiple excursions beyond the criterion at RM 27 in 1992.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
9	7480	5	Υ	GREEN RIVER	AJ33YB	0	21N	05E	22	Temperature	e Water
				Caldwell, 1994., multiple excursions beyond the criterion at RM 35 in 1992.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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excursions from continuous monitoring.

WRIA	\ Lis	sting ID Cate	gory	98 List?	Waterbody Name	Location I	nforma	ition				Parameter	Medium	
					Basis								Remarks	
9		7481	5	Υ	GREEN RIVER	YD05HE	47.0	14 21	N 06	6E	29	Temperature	Water	
					Caldwell, 1994, multiple excursions beyond the criterion at RM 41.5 in 1992.								not meet the WQ Program Progra	ure impairment. Listing will be category until further study and
9		7482	5	Υ	GREEN RIVER	AB62OX	0.083	3 21	N 08	8E	18	Temperature	Water	
					Caldwell, 1994., 37 excursions beyond the criterion at RM 60.8 during 1992.								Continuous temperature mea results reported as single day is continued from 1998 assess excursions from continuous r	maximums. Category 5 listing ssment based on multiple
9		7483	5	Υ	GREEN RIVER	YD05HE	84.73	3 21	N 08	8E	28	Temperature	Water	
					Caldwell, 1994., 42 excursions beyond the criterion at RM 64.5 during 1992.								Continuous temperature mea results reported as single day is continued from 1998 asses excursions from continuous r	maximums. Category 5 listing ssment based on multiple
9		7484	5	Υ	HICKS (GARRETT) LAKE	322NQY	23N	04E	06			Fecal Colifor	m Water	
implem	onto	d			King County unpublished data from station A745 show a geometric mean of 60 cfu/100mL w unpublished data from station A745 show a geometric mean of 260 cfu/100mL with 100% expenses the contraction of the country of t							ing County	Completed Phase II Federal Gendron and Pedersen, 198	
шреп	iente	u			Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountere phosphorus recycling, storm water, low transparency, fecal coliform bacteria.	d: Blue-gree	en alga	e, high	turbid	dity, l	ow dissolved oxyger	n, sediment	based on the phase I Study precipitation/inactivation, dilu water controls, public educat	tion/flushing, structural storm
													Fecal coliform data were pre hardcopy form. The water se based on the 1998 assessment	egment is listed as Category 5
9		6340	5	Υ	HICKS (GARRETT) LAKE	322NQY	23N	04E	06			Total Phosp	norus Water	
implem	ente	d			Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountere phosphorus recycling, storm water, low transparency, fecal coliform bacteria.	d: Blue-gree	en alga	e, high	turbid	dity, l	ow dissolved oxyger	n, sediment	Completed Phase II Federal Gendron and Pedersen, 198	
шроп		u			King County Volunteer Citizen Monitoring Program unpublished data show show summer monutrient criterion in 1998.	ean epilimn	etic tot	al phos	phorus	s exc	ceeded the water qu	ality standards	based on the phase I Study precipitation/inactivation, dilu water controls, public educat	tion/flushing, structural storm
9	1	3815	5	N	HILL (MILL) CREEK	BI99NR	0	22	N 04	4E	25	Copper	Water	
					King County unpublished data from station A315 shows the chronic criterion was exceeded	on 6 Decem	ber 19	99 and	12 Ju	ıne 2	2000.			

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٧	/RIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
	9	7488	5	Y	HILL (MILL) CREEK	BI99NR	4.18	21N	04E	01	Dissolved ox	cygen	Water
to					King County, 1993, 3 excursions out of 7 samples (43%) beyond the criterion at station 304	(RM 2.2) d	uring 199	2 and 1	1993.			Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at lea	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be give indicator that a waterbody continues
												be impaired. (Brale	y, ECY/WQP, 2003)
	9	12707	5	Y	HILL (MILL) CREEK	BI99NR	0	22N	04E	25	Dissolved ox	cygen	Water
					King County unpublished data from station A315 (Hill Creek RM 0.3) show excursions beyo 2002.	nd the diss	olved ox	ygen cri	iterion	in 1998, 1999, 2000,	2001 and		
	9	15811	5	Υ	HILL (MILL) CREEK	BI99NR	0.445	22N	04E	26	Dissolved ox	cygen	Water
to					King County, 1993, 10 excursions out of 10 samples (100%) beyond the criterion at station 3	802 (RM 1.	0) during	1992 a	nd 1993	3.		Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at lea	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues by, ECY/WQP, 2003)
	9	15814	5	Υ	HILL (MILL) CREEK	BI99NR	2.128	22N	04E	35	Dissolved ox	cygen	Water
to					King County, 1993, 9 excursions out of 10 samples (90%) beyond the criterion at station 303	3 (RM 1.4)	during 19	92 and	1993.			Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at lea	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues by, ECY/WQP, 2003)
	9	7485	5	Y	HILL (MILL) CREEK	BI99NR	0	22N	04E	25	Fecal Colifor	·m	Water
	J		•	-	King County, 1993, 9 excursions beyond the upper criterion at station 201 (RM 0.2) during 1 King County unpublished data from station A315 (Hill Creek RM 0.3) show standards were King County, 1993, 9 excursions beyond the upper criterion at station 201 (RM 0.2) during 1	992 and 19	993. ch year ir					Fecal coliform data	were previously submitted only in e water segment is listed as Category 5

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location	Informati	on			Parameter		Medium
				Basis							Remarks	
9	7486	5	Υ	HILL (MILL) CREEK	BI99NR	4.18	21N	04E	01	Fecal Colifo	rm	Water
				King County, 1993, 6 excursions beyond the upper criterion at station 304 (RM 2.2) during 1	992 and 1	993.					Fecal coliform data hardcopy form. The based on the 1998	a were previously submitted only in ne water segment is listed as Category 5 assessment.
9	15815	5	Υ	HILL (MILL) CREEK	BI99NR	0.445	22N	04E	26	Fecal Colifo	rm	Water
				King County, 1993, 12 excursions beyond the upper criterion at station 302 (RM 1.0) during	1992 and	1993.						a were previously submitted only in ne water segment is listed as Category 5 assessment.
9	15817	5	Υ	HILL (MILL) CREEK	BI99NR	10.80	3 21N	04E	15	Fecal Colifo	rm	Water
				King County, 1993, 6 excursions beyond the upper criterion at station 305 (RM 7.5) during 1	992 and 1	993.						a were previously submitted only in ne water segment is listed as Category 5 assessment.
9	15820	5	Υ	HILL (MILL) CREEK	BI99NR	2.128	22N	04E	35	Fecal Colifo	rm	Water
				King County, 1993, 12 excursions beyond the upper criterion at station 303 (RM 1.4) during	1992 and 1	1993.						a were previously submitted only in ne water segment is listed as Category 5 assessment.
9	7041	5	Υ	HILL (MILL) CREEK	BI99NR	0	22N	04E	25	Temperatur	9	Water
				King County unpublished data from station A315 (Hill Creek RM 0.3) show temperature crit	erion was	exceede	d in 199	8 and 2	2000.			
				King County, 1993, 2 excursions out of 9 samples (22%) beyond the criterion at station 201	(RM 0.2) c	during 19	92 and	1993.				
9	13164	5	Υ	JENKINS CREEK	NP20EM	1.454	22N	05E	36	Fecal Colifo	rm	Water
kk				King County unpublished data from station D320 (Jenkins Creek RM 2.2) show standards we	ere not me	t each ye	ar in sa	mples o	collected in 2001.		Name was listed a	s SOOS CREEK SYSTEM on 1998 list
9	15835	5	Y	JOE'S CREEK	IN34MD	0.076	21N	03E	12	Fecal Colifo	rm	Water
				Seattle-Metro unpublished data from station A350 (at Dash Point Road) show the percentile	criterion w	as not m	et in 198	37 and	1988.		Changed from WA on 01/28/05kk	SWIS GV05FS - 0.000 to IN34MD - 0.076
9	10724	5	N	KILLARNEY (NORTH ARM) LAKE	668HKQ	21N	04E 2	22		Fecal Colifo	rm	Water
				King County unpublished data from station A741 show a geometric mean of 300 cfu/100mL unpublished data from station A741 show a geometric mean of 24 cfu/100mL with 0% exceeds						998. King Count	y	
9	15858	5	Υ	LITTLE SOOS CREEK	TI91MT	7.675	22N	05E	11	Dissolved o	xygen	Water
				King County unpublished data from station U320 (Little Soos Creek RM 4.7) show excursion	s beyond t	he criteri	on in 19	94, 199	95, and 1996.		Name was SOOS	CREEK SYSTEM on 1998 listkk

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
9	13167	5	Y	LITTLE SOOS CREEK	TI91MT	0.479		05E		Fecal Colifo		Water
				King County unpublished data from station G320 (Little Soos Creek RM 0.3) show standards 2002.	s were not r	net each	year in	sample	es collected between	1998 and	Name was SOOS (CREEK SYSTEM in 1998 listkk
9	15859	5	Υ	LITTLE SOOS CREEK	TI91MT	7.675	22N	05E	11	Fecal Colifo	rm	Water
				King County unpublished data from station U320 (Little Soos Creek RM 4.7) show excursion	s beyond th	ne geome	tric me	an crite	erion in 1994 and 199	97.	Name was SOOS (CREEK SYSTEM on 1998 listkk
9	7046	5	N	LITTLE SOOS CREEK	TI91MT	0.479	22N	05E	26	Temperature	•	Water
				King County unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from station G320 (Little Soos Creek RM 0.3) show temperature country unpublished data from the country of	ture criterio	n was ex	ceeded	in yea	rs between 1998, 20	01 and 2002.		
9	15862	5	N	LITTLE SOOS CREEK	TI91MT	2.809	22N	05E	24	Temperature	•	Water
				King County unpublished data from station T320 (Little Soos Creek RM 3.2)show excursions	s beyond the	e criterion	in 199	4, 1995	5, and 1996.			
9	15831	5	Υ	LITTLE SOOSETTE CREEK	GS67LK	0	22N	05E	28	Dissolved or	kygen	Water
				King County unpublished data from station Y320 (Little Soosette Creek RM 3.9) show excur-	sions beyor	nd the crit	erion in	1995 a	and 1996.		Name was SOOS (CREEK SYSTEM on 1998 listkk
											Policy 1-11 (update number of years of	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. d on a review of monitoring studies for
DO											statewide, it was d	etermined that multiple (3 or more)
to												ast two years of monitoring should be ive indicator that a waterbody continues
to											be impaired. (Brale	y, ECY/WQP, 2003)
9	15836	5	Y	LITTLE SOOSETTE CREEK	HH34YJ	5.337	22N	05E	33	Dissolved or	cvaen	Water
				King County unpublished data from station X320 (Little Soosette Creek RM 3.1) show excurs	sions beyor	nd the crit	erion in	1994,	1995, 1996, and 199	97.	Name was SOOS (CREEK SYSTEM on 1998 listkk
9	15832	5	Υ	LITTLE SOOSETTE CREEK	GS67LK	0	22N	05E	28	Fecal Colifor	rm	Water
				King County unpublished data from station Y320 (Little Soosette Creek RM 3.9) show excur-	sions beyor	nd the ged	ometric	mean o	criterion in 1995, 199	6, and 1997.	Name was SOOS (CREEK SYSTEM on 1998 listkk
9	15837	5	Y	LITTLE SOOSETTE CREEK	HH34YJ	5.337	22N	05E	33	Fecal Colifor	rm	Water
				King County unpublished data from station X320 (Little Soosette Creek RM 3.1)show excurs and 1997.	ions beyon	d the geo	metric ı	mean c	riterion in all years b	etween 1994	Name was SOOS (CREEK SYSTEM on 1998 listkk

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WRIA	Listing ID Categ	ory 98	8 List?	Waterbody Name Basis	Location Ir	nformation	n			Parameter	Remarks	Medium
9	15849	5	Υ	LITTLE SOOSETTE CREEK	RX82DV	0	21N	05E	03	Fecal Colifo	rm	Water
				King County unpublished data from station V320 (Little Soosette Creek RM 1.6) show excurs	sions beyon	d the geo	metric	mean o	criterion in 1993, 199	94 and 1997.	Name was SOOS (CREEK SYSTEM on 1998 listkk
9	15852	5	N	LONGFELLOW CREEK	SM45HV	0.788	24N	03E	24	Dissolved of	xygen	Water
				King County unpublished data from station J370 (Longfellow Creek RM 1.1 at Brandon Streamd 1995.	et SW Bridg	ge) show	excurs	ions be	eyond the criterion in	1993, 1994,		
9	7490	5	N	LONGFELLOW CREEK	SM45HV	0.788	24N	03E	24	Fecal Colifo	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 09J090 shows 3 of 4 samples (75%) in year	r 2003 exce	eded the	percer	itile crit	erion.			
				U.S.Geological Survey data from NWIS database station 12113488 (Longfellow Cr @ SW Br criterion and that 100% of the samples exceeds the percentile criterion from 1 samples college.)			ttle) sho	ows a g	geometric mean of 62	20 exceeds the	•	
				King County unpublished data from station K370 (Longfellow Creek RM 1.5 at SW Graham S	Street) show	s 1 samp	ole on 4	90 cfu/	100mL on 28 Decer	nber 1995.		
				King County unpublished data from station J370 (Longfellow Creek RM 1.1 at Brandon Street year between 1992 and 1996.	t SW Bridge	e) show tl	he geo	metric ı	mean criterion was e	xceeded each		
				Longfellow Creek Watershed Management Committee, 1992, exceeds the geometric mean of	criterion at s	tation LF	C24 (S	W Find	llay and 26th Ave SV	V) during 1990		
9	7491	5	Y	LONGFELLOW CREEK	SM45HV	0	24N	03E	13	Fecal Colifo	rm	Water
				Longfellow Creek Watershed Management Committee, 1992. , exceeds the geometric mean Andover near the fish ladder) during 1990. King County unpublished data from station C370 (Longfellow Creek RM 0.5 at SW Yancy Str between 1998 and 2002.			•					
9	42342	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Copper		Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines of 7/9/1995, 10/20/1995, 4/22/1996, 4/23/1998, 10/27/1999, and 11/5/1999 exceeded the chron	on 3/15/200	-		-		• •		
9	42348	5	N	MASSEY CREEK	ER96XL	0.092	22N	04E	17	Copper		Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines 3/31/1996, and 10/27/1999 exceeded the chronic criterion.	on 3/15/200	4), station	n MA-3	shows	3 samples collected	i 11/7/1995,		
9	42343	5	N	MASSEY CREEK	ER96XL	1.372	22N	04E	16	Dissolved o	xygen	Water

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Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines on 3/15/2004), station MA-2 shows the following exceedances of the criterion; 2 samples in 1995, 2 samples in 1996, 2 samples in 1997, 1 sample in 1998, and 1 sample in 1999.

WRI	A Listin	ng ID Categ	gory (98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
					Basis						Remarks	
9	423	346	5	N	MASSEY CREEK	ER96XL	0.092	22N	04E	17	Dissolved oxygen	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 2 samples in 1995, 3 samples in 1996, 3 samples in 1997, 3 samples in 1998, and			n MA-3	shows	s the follo	wing exceedances of the	
ç	423	353	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Dissolved oxygen	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 2 samples in 1995, 2 samples in 1996, 3 samples in 1997, 3 samples in 1998, and			n MA-1	shows	s the follo	wing exceedances of the	
ç	423	340	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Fecal Coliform	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines the percentile criterion; in 1995 a geometric mean of 751.32 exceeded the criterion and 6 of geometric mean of 257.08 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 216.53 exceeded the criterion.	f 7 samples percentile of tric mean o	(85.7%) criterion; f 670.57 e	exceed in 1997 exceede	led the ' a geo ed the	percentil metric me criterion a	le criterion; in 1996 a ean of 209.35 exceeded and 3 of 5 samples	
ç	423	344	5	N	MASSEY CREEK	ER96XL	1.372	22N	04E	16	Fecal Coliform	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines the percentile criterion; in 1995 a geometric mean of 1133.12 exceeded the criterion and 6 geometric mean of 561.99 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the the criterion and 7 of 9 samples (77.8%) exceeded the percentile criterion; in 1998 a geometric mean of 470.40 exceeded to criterion.	of 7 sample percentile of tric mean o	es (85.7%) criterion; f 981.00 e) excee in 1997 exceede	eded the a geo ed the	e percent metric me criterion a	tile criterion; in 1996 a ean of 460.70 exceeded and 5 of 5 samples	
ç	423	347	5	N	MASSEY CREEK	ER96XL	0.092	22N	04E	17	Fecal Coliform	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines the percentile criterion; in 1995 a geometric mean of 1006.05 exceeded the criterion and 6 geometric mean of 945.20 exceeded the criterion and 8 of 8 samples (100.0%) exceeded the the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 523.57 exceeded the criterion.	of 7 sample e percentile tric mean o	es (85.7% criterion; f 702.39 e	excee in 199 exceede	eded th 17 a ge ed the	e percent cometric n criterion a	tile criterion; in 1996 a nean of 235.49 exceeded and 4 of 5 samples	
ç	423	341	5	N	MASSEY CREEK	RE26YR	0	22N	04E	16	Zinc	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines 7/9/1995, 4/22/1996, 9/3/1996, 4/23/1998, 1/13/1999, 10/27/1999, and 11/5/1999 exceeded				shows	s 8 sampl	es collected 11/23/1994,	
ç	9 423	320	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Copper	Water
					Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines	on 3/15/200	04), statio	n MC-2	shows	s 5 sampl	les collected 7/9/1995,	

10/20/1995, 12/7/1995, 11/19/1997, and 10/27/1999 exceeded the chronic criterion.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformati	on			Parameter	Medium
				Basis							Remarks
9	42315	5	N	McSORLEY CREEK	DR54QH	1.192	22N	04E	21	Dissolved ox	oxygen Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 3 samples in 1994, 6 samples in 1995, 7 samples in 1996, 8 samples in 1997, 5 samples in 1997, 5 samples in 1996, 8 samples in 1997, 5 samples in 1998, 8 samples in 1997, 5 samples in 1998, 8 sample						dances of the	
9	42318	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Dissolved ox	oxygen Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines criterion; 3 samples in 1995, 2 samples in 1996, 3 samples in 1997, 3 samples in 1998, and				2 show	s the following excee	dances of the	
9	42316	5	N	McSORLEY CREEK	DR54QH	1.192	22N	04E	21	Fecal Colifor	orm Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines the percentile criterion; in 1995 a geometric mean of 1134.64 exceeded the criterion and 5 geometric mean of 600.39 exceeded the criterion and 6 of 8 samples (75.0%) exceeded the the criterion and 7 of 8 samples (87.5%) exceeded the percentile criterion; in 1998 a geometric mean of 254.32 exceeded the criterion.	of 6 sample percentile o etric mean o	es (83.39 criterion; f 772.86	%) excee in 1997 exceed	eded th 7 a geo led the	ne percentile criterion; ometric mean of 328.0 criterion and 4 of 5 s	in 1996 a 06 exceeded amples	i
9	42319	5	N	McSORLEY CREEK	DR54QH	0	22N	04E	20	Fecal Colifor	orm Water
				Herrera Environmental Consultants, 2001., (submitted by Bob Sheckler, City of Des Moines the percentile criterion; in 1995 a geometric mean of 964.38 exceeded the criterion and 6 of geometric mean of 570.82 exceeded the criterion and 7 of 8 samples (87.5%) exceeded the the criterion and 6 of 9 samples (66.7%) exceeded the percentile criterion; in 1998 a geometric mean of 440.14 exceeded the criterion. Seven excursions beyond the criterion at Seattle-Metro station A280 (at Hwy 509 in Saltwater).	of 7 samples percentile of etric mean of the criterion of	s (85.7% criterion; f 878.26 and 6 of	exceed in 1997 exceed 8 sample	ded the 7 a geo led the les (75	e percentile criterion; ometric mean of 194.7 criterion and 4 of 5 si .0%) exceeded the pe	in 1996 a 75 exceeded amples	3
_	2242	_		MEDIDIANI AKE							
9	6316	5	Υ	MERIDIAN LAKE	148NFC	22N	05E 2	27		Fecal Colifor	orm Water
				Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples criterion in 2003. Samples were collected near Lake Meridian Park recreation area and reflected near Lake Meridian Park recreation area.						he percentile	Recent verification monitoring since 1998 indicates that this water segment is meeting fecal coliform standards. Previous

King County unpublished data from station M728 show a geometric mean of 7 cfu/100mL with 0% exceeding the percentile criterion during 2001.

King County unpublished data from station A728 show a geometric mean of 20 cfu/100mL with 0% exceeding the percentile criterion during 1998.

King County unpublished data from station A728 show a geometric mean of 11 cfu/100mL with 0% exceeding the percentile criterion during 1999.

Completed Phase I State Clean Lakes Restoration Project in 1978 - Problems Encountered: Blue-green algae, high turbidity, storm water, fecal coliform bacteria.; Seattle-Metro, 1978.

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listing was based on data from 1978.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location Inf	ormati	on			Parameter	Domonico	Medium
				Basis							Remarks	
9	6356	5	Υ	MERIDIAN LAKE	148NFC	22N	05E	27		Total Phosp	horus	Water
				Completed Phase I State Clean Lakes Restoration Project in 1978 - Problems Encountered Seattle-Metro, 1978.	: Blue-green a	ilgae, l	nigh tu	ırbidity,	storm water, fecal col	iform bacteria.		
				King County Volunteer Citizen Monitoring Program unpublished data show show summer m standards nutrient criterion from samples collected between 1998-2002.	ean epilimnet	ic tota	phosp	ohorus	did not exceed the wa	ater quality		
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 20 quality standards nutrient criterion for the Puget Lowlands Ecoregion.	ug/L from san	nples o	ollecte	ed in 19	81 which does not ex	ceed the water		
9	10828	5	N	MILL CREEK	TS53NN	0	231	N 04E	36	Dissolved o	xygen	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09E070 (Mill Creek @ Orillia) s between 1993 - 2001 measured on these dates: 93/10/20, 93/11/17, 93/12/21, 94/01/19, 94							Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at lea	nent of data it was determined that WQ and 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for as determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues
to											be impaired. (Brale)	y, ECY/WQP, 2003)
9	16704	5	N	MILL CREEK	TS53NN	0	231	N 04E	36	Fecal Colifo	rm	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 09E070 (Mill Cr. in Kent at Orill of the samples exceeds the percentile criterion from 3 samples collected during 1993.; Ha Cr. in Kent at Orillia) shows a geometric mean of 114 exceeds the criterion and that 44% of collected during 1994.	llock (2001) E	ept. of	Ecolo	gy Aml	oient Monitoring Statio	on 09E070 (Mill		
9	42542	5	N	MILLER CREEK	WB35RQ	0.318	231	N 04E	30	Fecal Colifo	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 09D070 shows 2 of 3 samples (66.7%) in y	ear 2003 exc	eeded	the pe	ercentile	e criterion.			
9	12616	5	N	MORTON LAKE	469UWA	21N	06E	07		Fecal Colifo	rm	Water

King County unpublished data from station A719 show a geometric mean of 54 cfu/100mL with 0% exceeding the percentile criterion during 1999. King County unpublished data from station A719 show a geometric mean of 34 cfu/100mL with 0% exceeding the percentile criterion during 1998.

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WRI	Listing	ID Category	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium	
				Basis							Remarks	
9	1582	25 5	Υ	MULLEN SLOUGH	BP27QP	0.538	22N	04E	26	Dissolved o	xygen Water	
to				King County, 1993, 7 excursions out of 10 samples (70%) beyond the upper criterion at static	on 408 (Mu	ullen Slou	ıgh RM	1 1.6) d	luring 1992 and 1993		During the assessment of data it was determined that W Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D. impairments. Based on a review of monitoring studies DO statewide, it was determined that multiple (3 or more excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continuation be impaired. (Braley, ECY/WQP, 2003)	.O. for e) e
9	1582	26 5	Υ	MULLEN SLOUGH	BP27QP	0	22N	04E	23	Dissolved o	xygen Water	
to				King County, 1993, 8 excursions out of 8 samples (100%) beyond the upper criterion at state	ion 407 (M	ullen Slo	ugh RN	M 0.5) (during 1992 and 1993	3.	During the assessment of data it was determined that W Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D. impairments. Based on a review of monitoring studies DO statewide, it was determined that multiple (3 or mor excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody contin	.O. for e) e
											be impaired. (Braley, ECY/WQP, 2003)	
9	1582	27 5	Y	MULLEN SLOUGH	BP27QP	0.538	22N	04E	26	Fecal Colifo	rm Water	
				King County, 1993, 9 excursions beyond the upper criterion at station 408 (Mullen Slough RI	M 1.6) duri	ng 1992 :	and 19	93.			Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Categor based on the 1998 assessment.	y 5
9	1376	65 5	N	NEWAUKUM CREEK		1.466		06E		Copper	Water	
				King County unpublished data from station 322 shows e excursions beyond the chronic criter	ion in sam	pies colle	ected b	etweer	1998 and 2002.			
9	1383	39 5	N	NEWAUKUM CREEK	JX80LS	2.165	21N	06E	33	Copper	Water	
				King County unpublished data from station D322 shows 20 excursions beyond the criterion from the criterion f	om all sam	ples coll	ected b	oetwee	n 2001 and 2002.			

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v	VIXIA	Listing ID Cate	gury	JU LIST:	Waterbody Name	Jeanon II	iioiiiiatio				i didilicici		WCGIGITI
					Basis							Remarks	
	9	12700	5	N	NEWAUKUM CREEK JX	X80LS	2.165	21N	06E	33	Dissolved or	xygen	Water
to					King County unpublished data from station D322 (Newaukum Creek RM 2.1) show excursions	beyond	the disso	lved ox	ygen c	riterion in 1998 and	2002.	Policy 1-11 (update number of years of impairments . Base DO statewide, it was excursions for at lea	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues
												be impaired. (Braley	y, ECY/WQP, 2003)
	9	13157	5	Υ	NEWAUKUM CREEK JX	X80LS	1.466	21N	06F	28	Fecal Colifor	rm	Water
	Ū	10107		•	King County unpublished data from station 322 (Newaukum Creek RM 1.0) show standards wer								Trace:
	9	13165	5	Υ	NEWAUKUM CREEK Jx	X80LS	2 165	21N	06F	33	Fecal Colifor	rm	Water
				•	King County unpublished data from station D322 (Newaukum Creek RM 2.1) show standards we								21N-06E-03 on 1998 listkk
	9	13166	5	Υ	NEWAUKUM CREEK JX	X80LS	7.626	20N	06E	10	Fecal Colifor	rm	Water
					King County unpublished data from station C322 (Newaukum Creek RM 4.9) show excursions 1997.			netric m	ean cri	terion in all years bet	ween 1994-		
					King County unpublished data from station F322 (Newaukum Creek RM 5.2) show standards w 2002.	were not	met each	ı year ir	n samp	les collected betwee	n 1998 and		
	9	13971	5	Υ	NEWAUKUM CREEK Jx	X80LS	16.364	20N	06E	12	Fecal Colifor	rm	Water
					King County unpublished data from station H322 (Newaukum Creek $$ RM $$ 9.4) show excursions 1997.	beyond	the geom	netric m	ean cri	terion in all years bet	ween 1994-		
	9	13972	5	Υ	NEWAUKUM CREEK JX	X80LS	16.88	20N	07E	07	Fecal Colifor	rm	Water
					King County unpublished data from station J322 (Newaukum Creek RM 9.7) show excursions and 1997.	beyond t	he geom	etric me	ean crit	terion in 1992, 1994,	1995, 1996,		
					King County unpublished data from station N322 (Newaukum Creek RM 10.4, north of SE 416th 1994, 1995, and 1996.	h Street)	show ex	cursion	s beyo	nd the geometric me	an criterion in		
					King County unpublished data from station P322 (Newaukum Creek RM 10.8) show excursions	beyond	the geom	netric m	ean cri	terion in 1994 and 19	995.		

Location Information

Medium

Parameter

WRIA Listing ID Category 98 List? Waterbody Name

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformation				Parameter	Medium
				Basis							Remarks
9	13981	5	Υ	NEWAUKUM CREEK	LT44JU	0 2	20N	07E 0)7	Fecal Colifor	m Water
				King County unpublished data from station L322 (Newaukum Creek RM 10.1 at Stonequarry criterion in 1992 and 1994.	Creek cor	nfluence) sh	ow exc	cursions	s beyond the geo	metric mean	
				King County unpublished data from station M322 (Newaukum Creek RM 10.1, north of SE 4' in 1994, 1995, and 1996.	16th Street) show excu	ursions	s beyond	d the geometric r	nean criterion	
9	15846	5	Υ	NEWAUKUM CREEK	RR29EG	0 2	20N	07E 0)7	Fecal Colifor	rm Water
				King County unpublished data from station K322 (Newaukum Creek RM 10.0) show excurs 1996.	ions beyon	d the geome	etric m	ean crit	erion in 1992, 19	94, 1995, and	
9	36166	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J	J3	47.595	122.435	Dioxins, Tota	al Tissue
of solone U				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 20	02. show h	nigh concent	tration	of dioxi	ins in blubber of I	narbour seal pup	Location identified in the report is not for a specific
gird cell				and summarizes literature showing links to adverse health effects.							segment, but for the full extent of Puget Sound.
				Ross, et al. 2000 high concentrations in killer whales (Orcinus orca) blubber show toxicity e	quivalents e	exceeding le	evels s	suggeste	ed for marine ma	mmals.	
				Grant and Ross, 2002. doucument human pollution sources in Puget Sound.							
9	36167	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J	J3	47.595	122.435	Furans, Tota	l Tissue
الممانية				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 20	02. show h	nigh concent	tration	of furar	ns in blubber of h	arbour seal pups	Location identified in the report is not for a specific
gird cell				and summarizes literature showing links to adverse health effects. Grant and Ross, 2002. do	ocument hu	ıman pollutio	on sou	rces in	Puget Sound.		segment, but for the full extent of Puget Sound.
9	36168	5	N	PUGET SOUND (CENTRAL)	390KRD	47122F4J	J3	47.595	122.435	Total PCBs	Tissue
				Transboundary Georgia Basin-Puget Sound Working Group on Environmental Indicators. 20 and summarizes literature showing links to adverse health effects. Calambokidis, et at. show seals. Grant and Ross, 2002. doucument human pollution sources in Puget Sound.							Location identified in the report is not for a specific gird cell segment, but for the full extent of Puget Sound.
9	6654	5	Υ	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122F30	C9	47.525	122.395	Fecal Colifor	m Water
				Kendra, 1989. 8 of 19 samples taken between 6/15/1988 and 8/29/1988 exceeded the criteri	on.						Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
9	15804	5	Υ	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122E30	G6	47.465	122.365	Fecal Colifor	rm Water
				Seattle-Metro unpublished data from station MTEC01 exceeded the geometric mean criterion	on in 1989 a	and 1990.					
9	15805	5	Υ	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	390KRD	47122F4H	H1	47.575	122.415	Fecal Colifor	rm Water
				Seattle-Metro unpublished data from station LSKR01exceeded the geometric mean criterion	in 1987, 1	989, 1990 a	and 199	91.			

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WRIA	Listing ID C	ategory	98 List?	Waterbody Name Basis	Location I	nformation				Parameter	Remarks	Medium
9	15806	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSKS01 exceeded the geometric mean criterion	390KRD n in 1987, 1	47122F4 1989, and 1		7.565	122.405	Fecal Colifor	m	Water
9	15807	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSRV01exceeded the percentile criterion in 198	390KRD 37, 1989, a	47122F3 nd 1990.	F9 4	7.555	122.395	Fecal Colifor	m	Water
9	15808	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSTU01 exceeded the geometric mean criterion	390KRD n in 1991.	47122F3	E9 4	7.545	122.395	Fecal Colifor	m	Water
9	15809	5	Y	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE Seattle-Metro unpublished data from station LSVW01 exceeded the geometric mean criteric Seattle-Metro unpublished data from station LSVW03 exceeded the geometric mean criteric			9, 1990 a	7.535 and 1991.	122.395	Fecal Colifor	m	Water
9	42493	5	N	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE King County data (submitted by Kimberle Stark on 4/15/04) station LSKS01 (Alki) shows a gasamples (100.0%) exceeded the percentile criterion in year 2002, and 4 of 12 samples (66.69 samples (50.0%) exceeded the percentile criterion in year 2003.			23 excee				m	Water
9	36169	5	N	PUGET SOUND (SOUTH) Simms, et al. 2000. show high concentration of PCBs in blubber of harbour seal pups signiftime when vitamin A is required for growth and development.	390KRD icantly corr	47122F4 elated to lo		7.595 ulatory reti	122.435 nol levels occu	Total PCBs		Tissue n the report is not for a specific gird cell e southern end of Puget Sound.
9	15883	5	N	RAVENSDALE CREEK King County unpublished data from station R320 (Covington/Ravensdale Creek headwaters in 1994, 1995, and 1996.	XR98HN near silica		22N 0		cursions beyo	Temperature and the criterion		Water
9 on	13965	5	Y	REDONDO CREEK STORET (legacy) unpublished data regarding Seattle-Metro station A290 (near Mouth) show	UNK000 the geome	-	00U 0		eded in 1988.	Fecal Colifor	This listing is for a s	Water stream that does not appear in WASWIS. UNK000. TRS=22N-04E-32. Changed
9	12618	5	N	SAWYER LAKE King County unpublished data from station A718 show a geometric mean of 76 cfu/100mL w unpublished data from station A718 show a geometric mean of 5 cfu/100mL with 0% exceed			percentil		during 1999. k	Fecal Colifor		Water

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WRIA	Listing ID (Category	98 List?	Waterbody Name	Location I	nformati	on		Parameter		Medium
				Basis						Remarks	
9	8182	5	N	SAWYER LAKE	206OTE	21N	06E	04	Total Phosp	horus	Water
EPA				King County Volunteer Citizen Monitoring Program unpublished data show show summer me standards nutrient criterion from samples collected between 1998-2002.	ean epilimn	etic total	l phos	phorus did not exceed the	water quality		e building of an interceptor for the City of stewater discharge submitted 3/9/92.
										approved the TMDI	on 2/12/93. Onwumere (2002)
determin	ed			Carrol and Pelletier, 1991.						that the goals set b	by the TMDL were not being achieved.
				Hart-Crowser, 1990.							
				Pelletier and Joy, 1989.							
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 21 u which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregic		from th	e repo	orted Carlson's Trophic Sta	ate Index value		
9	12619	5	N	SHADOW LAKE	444SBN	22N	06E	07	Fecal Colifo	rm	Water
				King County unpublished data from station A714 show a geometric mean of 70 cfu/100mL w unpublished data from station A714 show a geometric mean of 26 cfu/100mL with 0% exceeds					98. King County		
9	6873	5	Υ	SMAY CREEK	AX88SM	0.026	20	N 09E 12	Temperature	e	Water
				Data collected by the Muckleshoot Indian Tribe Tribal TFW (submitted by Karne Walter on 1-0.4 during 1992.	4 Feb 94) s	taff shov	w mult	iple excursions beyond the	e criterion at RM	were previously sub for analysis of the c	ature measurements were taken, but data omitted in software that does not provide data. The water segment is listed as on the 1998 assessment.
9	15840	5	N	SOOSETTE CREEK	HH34YJ	0	21	N 05E 10	Fecal Colifo	orm	Water
				King County unpublished data from station B320 (Soosette Creek at the mouth) show excur	rsions beyor	nd the ge	eome	tric mean criterion in 1995	and 1998	Previously listed as	SOOS CREEK SYSTEM
9	12705	5	Y	SPRINGBROOK (MILL) CREEK	BY98ES	1.444	23	N 04E 24	Dissolved o	xygen	Water
				King County unpublished data from station 317 (Springbrook Creek RM 1.0) show excursion 2001 and 2002.	ns beyond th	ne dissol	lved o	xygen criterion in years 1	998, 1999 2000,		
9	13155	5	Υ	SPRINGBROOK (MILL) CREEK	BY98ES	1.444	23	N 04E 24	Fecal Colifo	rm	Water
				King County unpublished data from station 317 (Springbrook Creek RM 1.0) show standards	s were not n	net each	year	in samples collected betw	een 1998 and 200	2.	
9	10716	5	N	STAR LAKE	989FSG	22N	04E	34	Fecal Colifo	rm	Water
				King County unpublished data from station A729 show a geometric mean of 200 cfu/100mL					1998. King Count	y	

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unpublished data from station A729 show a geometric mean of 6 cfu/100mL with 0% exceeding the percentile criterion during 1999.

WRIA	Listing ID Categor	y 98 List?	Waterbody Name Basis	Location Information	Parameter R	Medium temarks
9	10717 5	N	STEEL LAKE Department of Ecology lakes monitoring data shows 0 of 3 daily maximum samples (collect in 2003. Samples were collected near Steele Lake Park recreation area and reflects water King County unpublished data from station A730 show a geometric mean of 134 cfu/100mL	quality conditions in this area only. with 50% exceeding the percentile criterion during	1998. و	Water
9	10726 5	N	King County unpublished data from station A730 show a geometric mean of 260 cfu/100mL TROUT LAKE King County unpublished data from station A752 show a geometric mean of 260 cfu/100mL unpublished data from station A752 show a geometric mean of 21 cfu/100mL with 0% exce	744JKJ 00U XXU 00 with 100% exceeding the percentile criterion during	Fecal Coliform	Water
9	15884 5	Y	UNNAMED CREEK WDF# 09.0046 King County, 1993, 3 excursions out of 10 samples (30%) beyond the upper criterion at sta 1993.	ZR70IJ 0.944 22N 04E 34 ation 409 (Unnamed Creek RM 2.1 - WDF# 09.004	P ni in D e: u:	gen Water buring the assessment of data it was determined that WQ tolicy 1-11 (updated 9/03) was overly restrictive for the umber of years of data excursions needed to list for D.O. Inpairments. Based on a review of monitoring studies for BO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be seed as an alternative indicator that a waterbody continues be impaired. (Braley, ECY/WQP, 2003)
9	15885 5	Y	UNNAMED CREEK WDF# 09.0046 King County, 1993, 6 excursions beyond the upper criterion at station 409 (Unnamed Cree	ZR70IJ 0.944 22N 04E 34 k RM 2.1 - WDF# 09.0046) during 1992 and 1993.	h	Water ecal coliform data were previously submitted only in ardcopy form. The water segment is listed as Category 5 ased on the 1998 assessment.
9	10719 5	N	WILDERNESS LAKE Department of Ecology lakes monitoring data shows 2 of 3 (66.6%) daily maximum samples criterion in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation in 2003. Samples were collected near Lake Wilderness Park recreation area and recreation area and recreation area and recreation area and recreation are	reflects water quality conditions in this area only. L with 12% exceeding the percentile criterion during with 21% exceeding the	g 2002. ng 2001.	Water RS=22N-06E-27. Consolidated with Listing ID 10720kk

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King County unpublished data from station A717 show a geometric mean of 77 cfu/100mL with 39% exceeding the percentile criterion during 1998.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
10	16706	5	N	BOISE CREEK Hallock (2004), Dept. of Ecology ambient station 10D070 shows 1 of 1 sample (100%) in year	CT48DX ar 2001 exc			06E ntile cr		Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10D070 (Boise Cr @ Buckley) 0% of the samples do not exceed the percentile criterion from 3 samples collected during 20		ometric n	nean of	68 doe	es not exceed the cri	iterion and that	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10D070 (Boise Cr @ Buckley) the samples exceeds the percentile criterion from 9 samples collected during 2001.	shows a ge	ometric n	nean of	108 ex	ceeds the criterion a	and that 44% of	
				Erickson (1999) station BOI00.1 (Boise CreekBOI00.1) shows the geometric mean of 283.9 percentile criterion from 6 samples collected during 1996.	3 exceeds tl	ne criterio	on and t	hat 50°	% of the samples ex	ceeds the	
10	35337	5	N	BOISE CREEK	CT48DX	4.351	20N	07E	30	рН	Water
				Puyallup Tribe of Indians unpublished data at station BOI-1 (submitted by Char Naylor on 3 measurements collected from 1999-2001.	March 2003	s) show 1	0 excur	sions b	peyond the criterion f	from 49	Low pH
10	7496	5	Υ	BOISE CREEK	CZ10IN	0	20N	07E	27	Temperature	e Water
				Data collected by the Muckleshoot Indian Tribal TFW staff show multiple excursions beyond	I the criterio	n (RM 7.0)) durin	g 1992			Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
10	7497	5	Υ	CLARKS CREEK	AD37IU	2.428	20N	04E	30	Fecal Colifor	rm Water
				Ebbert, et al. 1987. , 1 excursion beyond the criterion (at inflow to Hatchery near Puyallup)	on 2/84.						Fecal coliform data were previously submitted only in
				Ebbert, et al. 1987., 3 excursions beyond the criterion at station 12102075 (at Indian Reser	vation Boun	dary at P	uyallup) in 8/8	83, 11/83, and 2/84;		hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
				KCM (1996) shows the geometric mean criterion is exceeded in 1996 with 2 samples (data	summary s	ubmitted	2/29/96	by the	e Puyallup Tribe).		
				Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 (mouth) in 1996.	excursions	beyond t	he crite	rion ou	it of 3 samples at sta	ation CC7	
				Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 1996.	excursions	beyond t	he crite	rion ou	at of 3 samples at sta	ation CC5 in	
10	7499	5	Υ	CLARKS CREEK	AD37IU	5.396	20N	04E	32	рН	Water
				Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 2 1996.	excursions	beyond t	he crite	rion ou	it of 3 samples at sta	ation CC1 in	Low pH
10	7501	5	Υ	CLEAR CREEK	UP04FV	0	20N	03E	11	Fecal Colifor	rm Water
				Ebbert, et al. 1987., 2 excursions beyond the criterion (at 31st Avenue) on 11/83 and 2/84.							Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

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WRIA	Listing ID Catego	y 98 Lis	? Waterbody Name Basis	Location I	nformat	ion			Parameter	Medium Remarks
10	20319 5	N	CLEARWATER RIVER Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 0.4 show the 7-day mean of daily maximum temperature of 16.11 from measu data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from mean of daily maximum temperature of 15.29 with the highest daily maximum of 16.46 from	rements coll WDFW Segi	per 2002 ected 7/ ment Nu	?) colled 4 - 9/4; imber 1	1996. 0.008 a	n WDFW Segment N Puyallup Indian Trib t River Mile 0.5 sho	e unpublished	e Water
10	20320 5	N	CLEARWATER RIVER Muckleshoot Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, at River Mile 1.2 show the 7-day mean of daily maximum temperature of 17.04 from measure.		mber 20	02) col	ected fr		Temperature	
the			Data collected by the Muckleshoot Indian Tribal TFW staff (submitted by Karen Walter on 1 during 1992.	14 Feb 94) s	how mu	ltiple ex	ccursion	s beyond the criterio	on (RM 1.2)	list under 40 CFR 103.7(b)(1)(iii). (taken from 1998 list database)
10	20321 5	N	CLEARWATER RIVER Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 2.1 show the 7-day mean of daily maximum temperature of 17.64 from measu data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from mean of daily maximum temperature of 16.5 from measurements collected 7/7 - 9/30, 1995	rements coll WDFW Segr	er 2002 ected 7) colled 4 - 9/4	1996.	n WDFW Segment N Puyallup Indian Trib	e unpublished	e Water
10	20322 5	N	CLEARWATER RIVER Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 2.7 show the 7-day mean of daily maximum temperature of 17.89 from measu data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from mean of daily maximum temperature of 14.83 with the highest daily maximum of 16.27 from	rements coll WDFW Segi	per 2002 ected 7 ment Nu	?) colled /4 - 9/4 imber 1	1996. F 0.008 a	n WDFW Segment N Puyallup Indian Tribe t River Mile 3.15 sho	e unpublished	e Water
10	20323 5	N	CLEARWATER RIVER Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 4.3 show the 7-day mean of daily maximum temperature of 18.1 from measure		per 2002	e) collec	ted fron		Temperature Number 10.008	e Water
10	20324 5	N	CLEARWATER RIVER Puyallup Indian Tribe unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 1 River Mile 3.8 show the 7-day mean of daily maximum temperature of 17.04 from measurer data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from mean of daily maximum temperature of 16.5 from measurements collected 7/4 - 9/20, 2001	ments collec WDFW Segi	r 2002) ted 7/6	collecte - 9/30,	ed from 1 1995. Pi	WDFW Segment Nu uyallup Indian Tribe	unpublished	

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WRIA	Listing ID Categ	ory	98 List?	Waterbody Name	Location I	nforma	ation			Parameter	Medium
				Basis							Remarks
10	20325	5	N	CLEARWATER RIVER	YH06OQ	8.68	7 19N	08E	34	Temperatur	e Water
				Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 4.9 show the 7-day mean of daily maximum temperature of 16.77 from measure data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) collected from V mean of daily maximum temperature of 13.85 with the highest daily maximum of 15.08 from	ements coll VDFW Seg	ected ment N	7/4 - 9/11, Jumber 10	, 1996. I).008 at	Puyallup Indian River Mile 5.7 s	Tribe unpublished	
10	10175	5	N	COMMENCEMENT BAY	390KRD	4712	22C4J4	47.29	5 122.445	Dissolved o	kygen Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station CMB003 (Commencemen of 96 samples collected between 1993-2000	t Bay - Bro	wns Po	oint) show	s 34 ex	cursions beyond	the criterions out	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,
4/2005)											issuing should be left on Category 3 (Grantifam memo,
10	8669	5	Υ	COMMENCEMENT BAY (INNER)	GK89AF	0	21N	03E	99	Dieldrin	Tissue
				Johnson and Davis, 1996., excursion beyond the National Toxics Rule criterion calculated Waterway at the mouth of Hylebos Creek.	for tissue in	n muss	sel sample	es collec	ted in 1995 fron	n Hylebos	
10	8671	5	N	COMMENCEMENT BAY (INNER)	GK89AF	0	21N	03E	99	Total PCBs	Tissue
				Johnson and Davis, 1996., excursion beyond the National Toxics Rule criterion calculated Waterway at the mouth of Hylebos Creek.	for tissue in	n muss	sel sample	es collec	ted in 1995 fron	n Hylebos	
10	35738	5	N	COMMENCEMENT BAY (INNER)	390KRD	4712	22C4F3	47.25	5 122.435	Total PCBs	Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rul tissue tissue tissue tissue tissue samples collected in 1991-1997 from English sole (Fig. 2) Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion with tissue tissue tissue samples collected in 1997-1999 from English sole (Pleuronectes of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded collected in 1998-1999 from brown rockfish (Sebastes auriculatus) samples from station CC	Pleuronecte vas exceed vetulus) sa in single	s vetul ed in a imples	us) samp a composi from stati	les from te of mo on COM	i station COMM ore than 5 musc IMBAY. Washi	BAY. Washington le tissue tissue ngton Department	
10	35655	5	N	COMMENCEMENT BAY (OUTER)	390KRD	4712	22C4I2	47.28	5 122.425	Bis(2- ethylhexyl)p	Tissue hthalate
				Weshington Department of Fish and Wildlife DSAMD database show the National Taxis Bul	a Critarian		i bobooo	n 0 00m	posito of more	han E musala	

Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue ti

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Ebbert, et al. 1987. 2 excursions beyond the criterion (at 54th Street E.) on 8/12/83 and 4/27/84.

	g car	ogo.,	00 =.0	1.4.6.2.2.4) 1.4.1.10			•					
				Basis							Remarks	
10	7503	5	Υ	FIFE DITCH zv	/38XK	0.261	20N	03E	01	Dissolved or	kygen	Water
to				Ebbert, et al. 1987., 4 excursions beyond the criterion (at 54th Street E.) on 8/12/83, 11/4/83, 2	2/20/84, a	and 4/27/8	34.				Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at le used as an alternat	nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues y, ECY/WQP, 2003)
											. ,	, , , , , , , , , , , , , , , , , , ,
10	7504	5	Υ	FIFE DITCH zv	/38XK	0.261	20N	03E	01	Fecal Colifor	rm	Water
				Ebbert, et al. 1987., 3 excursions beyond the criterion (at 54th Street E.) in 8/83, 11/83, and 2/6	84.							were previously submitted only in e water segment is listed as Category 5 assessment.
10	7505	5	Υ	FOX CREEK PA	A88SG	0.84	18N	05E	28	Temperature	•	Water
				Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) sho during 8/97 and 9/97 at Fox Creek RM 0.9.	ow 26 ex	cursions t	oeyond	the cr	iterion out of 60 sam	ples (43%)	results reported as is continued from 1	ature measurements were taken, but single day maximums. Category 5 listing 998 assessment based on multiple ntinuous monitoring.
10	15888	5	Υ	HYLEBOS CREEK RI	L09XF	7.574	20N	04E	05	Fecal Colifor	rm	Water
				Seattle-Metro unpublished data from station B920 (at Milton) show thgeometric mean criterion was	vas exce	eded in 1	987.					
10	15887	5	Υ	HYLEBOS CREEK, W.F.	T61HR	0.747	21N	04E	32	Fecal Colifor	rm	Water
				Seattle-Metro unpublished data from station D920 (at South 373rd Street) show the geometric n	nean crit	erion was	excee	ded in	1987.			
10	36173	5	N	HYLEBOS WATERWAY RI	L09XF	0	21N	03E	99	Chlorinated	Pesticides	Tissue
				Collier, et al. 1998, show exposure to chlorinated pesticides are asscoaietd with several types of	f reprodu	ıctive inju	ry in th	e Engl	ish sole.		Assigned new WAS	SWIS ID. Was RL09XFkk
10	36174	5	N	HYLEBOS WATERWAY RI	L09XF	0	21N	03E	99	DDT		Tissue
				Collier, et al. 1998, show exposure to DDT are clearly linked to elevated levels of DMA adducts sole and rock sole.	and cyto	chrome P	24501 <i>P</i>	(CYP	1A) activities in liver	of English	Assigned new WAS	SWIS ID. Was RL09XFkk
10	36176	5	N	HYLEBOS WATERWAY RI	L09XF	0	21N	03E	99	PAHs		Tissue
				Collier, et al. 1998, show exposure to PAHs are clearly linked to elevated levels of DNA adducts sole and rock sole, as well as several types of reproductive injury.	and cyto	ochrome I	P4501.	A (CYF	P1A) activities in liver	of English	Assigned new WAS	SWIS ID. Was RL09XFkk

Location Information

Medium

Parameter

WRIA Listing ID Category 98 List? Waterbody Name

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
10	36178	5	N	HYLEBOS WATERWAY Collier, et al. 1998, show exposure to PCBs are clearly linked to elevated levels of DMA add sole and rock sole.	RL09XF ucts and cy	_		03E A (CYF		Total PCBs r of English		Tissue
10	7506	5	Y	KINGS CREEK Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) during 8/97 and 9/97 at Kings Creek RM 1.2.	XK66ZF show 8 exc	0.72 cursions l		05E the crit	-	Temperature	Continuous temperaresults reported as is continued from 19	Water ature measurements were taken, but single day maximums. Category 5 listing 998 assessment based on multiple ntinuous monitoring.
10	20338	5	N	LYLE CREEK Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile 0.1 show the 7-day mean of daily maximum temperature of 16.03 from measur unpublished data (submitted by Joanne Schuett-Hames, SWRO, on 13 December 2002) col the 7-day mean of daily maximum temperature of 12.33 with the highest daily maximum of 1	ements col ected from	er 2002) lected 7/4 WDFW \$	4 - 9/11 Segmen	, 1996. It Numb	WDFW Segment No Muckleshoot Indian per 10.0088 at River	Tribe	3	Water
10	7508	5	Y	MEEKER DITCH Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show no stations on this segment.	WC64LH imerous hig		-	04E values		Fecal Colifo	Fecal coliform data	e water segment is listed as Category 5
10	7511	5	Y	MEEKER DITCH Pierce County Conservation District data (submitted by Timothy Barbee on 6/26/97) show 5 multiple stations on this segment.	WC64LH excursions		_	04E rion ou		pH in 1996 at	Low pH	Water
10	20339	5	N	MILKY CREEK Department of Ecology unpublished data (submitted by Joanne Schuett-Hames, SWRO, on at River Mile <0.1 show the 7-day mean of daily maximum temperature of 20.95 from measurements.				ed from	WDFW Segment No	Temperature		Water
10	7498	5	Y	PUYALLUP RIVER Hallock (2004), Dept. of Ecology ambient station 10A050 shows 1 of 4 samples (25%) in year Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A050 (Puyallup R @ Puyallup criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples	(USGS)) s	eeded the	e percei		terion.	Fecal Colifo	Fecal coliform data	Water were previously submitted only in e water segment is listed as Category 5 assessment.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10A050 (Puyallup R @ Puyallup (USGS)) shows a geometric mean of 115 exceeds the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 2000.

Ebbert, et al. 1987., 3 excursions beyond the criterion at station 12102100 (At River Road) in 8/83, 11/83, and 2/84;

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Continuous temperature measurements were taken, but data were previously submitted in software that does not provide for analysis of the data. The water segment is listed as

Category 5 based on the 1998 assessment.

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformat	ion			Parameter	Remarks	Medium
10	7513	5	Y	SUMMIT LAKE Eilers et al, 1996, Documented sensitivity to acid rain loading. pH has steadily declined from	588ANI om 5.92 in 19		08E 5.30 in 1		d 1996	рН	Low pH	Water
10	7514	5	Y	SWAN CREEK Ebbert, et al. 1987., 2 excursions beyond the criterion at station12102212 (at Pioneer Way Ebbert, et al. 1987., 3 excursions beyond the criterion at station 12102202 (at Pioneer Way		and 2/84	l, .	03E	11	Fecal Colifo	Fecal coliform data	Water were previously submitted only in e water segment is listed as Category 5 assessment.
10	9864	5	Y	UNNAMED CREEK Roberts (2001) station T1 (UNNAMED TRIBUTARY ID 14309) shows the geometric mean of samples exceeds the percentile criterion from 10 samples collected during 2001. Roberts (2001) station T1ID (UNNAMED TRIBUTARY) shows the geometric mean of 593.86 exceeds the percentile criterion from 3 samples collected during 2001.; ;		321347	27 exce		criterion and that 60		rm	Water
10	7518	5	Y	WAPATO CREEK Ebbert, et al. 1987. 4 excursions beyond the criterion at station 12102490 (at Union Pacific R	ZV38XK RR near No			-		Dissolved of and 4/25/84.	During the assessr Policy 1-11 (update number of years of impairments . Bas DO statewide, it wa excursions for at le used as an alternat	Water nent of data it was determined that WQ and 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for as determined that multiple (3 or more) ast two years of monitoring should be tive indicator that a waterbody continues by, ECY/WQP, 2003)
10	7519	5	Y	WAPATO CREEK Ebbert, et al. 1987. 4 excursions beyond the criterion at station 12102510 (at 12th Street E.	MM40DB in Fife) on a	-	_	03E 33, 2/13	_	Dissolved o	During the assessr Policy 1-11 (update number of years of impairments . Bas DO statewide, it wa excursions for at le used as an alternat	Water nent of data it was determined that WQ ed 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for as determined that multiple (3 or more) ast two years of monitoring should be tive indicator that a waterbody continues by, ECY/WQP, 2003)
10	7517	5	Y	WAPATO CREEK Ebbert, et al. 1987. 2 excursions beyond the criterion at station 12102490 (at Union Pacific R	ZV38XK RR near No			-		Fecal Colifo	Fecal coliform data	Water were previously submitted only in e water segment is listed as Category 5 assessment.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis							Remarks
10	7520	5	Υ	WAPATO CREEK	MM40DB	0	20N	03E	01	Fecal Colifor	rm Water
				Ebbert, et al. 1987. 4 excursions beyond the criterion at 12102510 (at 12th Street E. in Fife)	on 8/11/83,	11/4/83,	2/13/84	4, and	4/25/84.		Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
10	7525	5	Υ	WHITE (STUCK) RIVER	LY34GL	9.004	21N	04E	36	рН	Water
				Pelletier, 1993, 3 excursions beyond the criterion out of 3 samples at RM 6.3 on 9/18/90, 9/	19/90, and	10/3/90.					High pH
10	16708	5	Υ	WHITE RIVER	LY34GL	34.921	20N	06E	34	Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C130 (White R. at Buckley) s the samples exceeds the percentile criterion from 9 samples collected during 1993.	hows a geo	metric m	ean of	103 ex	ceeds the criterion a	nd that 33% of	Was listed under the name White (Stuck) River in 1998kk
				Erickson (1999) station WHI23.1 (White River (WHI23.1)) shows the geometric mean of 41.1 exceed the percentile criterion from 6 samples collected during 1996.	9 does not	exceed tl	ne crite	rion ar	nd that 0% of the sam	ples does not	
10	16709	5	Υ	WHITE RIVER	LY34GL	0.505	20N	04E	49	Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) s 33% of the samples exceeds the percentile criterion from 3 samples collected during 1996.	hows a geo	metric m	ean of	98 doe	es not exceed the crite	erion and that	Was listed under the name White (Stuck) River in 1998kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) s the samples exceeds the percentile criterion from 3 samples collected during 1995.	hows a geo	metric m	ean of	106 ex	ceeds the criterion a	nd that 33% of	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C070 (White R. at Sumner) s the samples exceeds the percentile criterion from 9 samples collected during 1993.	hows a geo	metric m	ean of	152 ex	ceeds the criterion a	nd that 33% of	
10	16711	5	N	WHITE RIVER	LY34GL	12.45	21N	05E	29	Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street that 0% of the samples does not exceed the percentile criterion from 9 samples collected during the collecte		geometrio	mean	of 12	does not exceed the	criterion and	
				Halland (2004) Dant of Fooland Architect Maritarian Chating 400005 (Milita Binar @ D. Chan	د میبید داد			-40-1			

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 6 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 18 does not exceed the criterion and that 13% of the samples exceeds the percentile criterion from 15 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows a geometric mean of 14 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1998.

Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows the geometric mean of 12.32 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1996.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name L Basis	ocation Information	Parameter	Medium Remarks
10	7524	5	Y	WHITE RIVER Hallock (2004), Dept. of Ecology ambient station 10C095 shows that 2 of 31 samples exceed the	.Y34GL 12.45 21N 05E 29 he criterion.	рН	Water Changed from Category 5 to Category 2 on 01/24/05 due to consolidation with Listing IDs 10856 (cat 2) and 42704 (cat
2).				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) collected between 1993 - 2001. Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows 3 excursions beyond the criter Pelletier, 1993, 4 excursions beyond the criterion out of 7 samples from RM 8.0 on 9/18/90, 9/1	rion out of 20 samples collected between 06/96 - 11	·	-kk Name changed from WHITE (STUCK) RIVER to WHITE RIVER 01/24/05kk High pH
10	7526	5	Υ	WHITE RIVER Ebbert, 2002, shows 15 excursions beyond the criterion from 55 daily maximum measurements. Unpublished data from the Puyallup TMDL Effectiveness Monitoring Project shows 32 excursic collected in 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C085 (White R nr Sumner) sho between 1993 - 2001. Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterion out of 10 samples at RM 4.9 on 9/18/90, 9/19	ons beyond the criterion from 70 daily maximum means on the criterion out of 5 samples on the criterion out of 5 samples collected between 06/96 - 11	es collected	Water High pH
10	17513	5	N	WHITE RIVER L Ebbert, 2002. shows a 7-day mean of maximum values of 20.0 for week ending 13 August 200 Monitoring Project shows a 7-day mean of maximum values of 19.6 for week ending 13 August		Temperature ctiveness	Water
10	17515	5	N	WHITE RIVER Unpublished data from the Puyallup TMDL Effectiveness Monitoring Project shows a 7-day me	LY34GL 6.487 20N 04E 01 ean of maximum values of 18.9 for week ending 1 Se	Temperature	Water
				Dept. of Ecology unpublished data from ambient monitoring station 10C085 (White R. nr Summweek 21 July 2002 Ebbert, 2002. shows a 7-day mean of maximum values of 18.95 for week ending 31 August 20 Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C085 (White R nr Sumner) sho between 1993 - 2001 measured on this date: 96/07/24. Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterian	001. ws 1 excursions beyond the criterion out of 5 sample	es collected	

Erickson (1999) shows multiple excursions beyond the criterion (RM 4.9) during 1996.

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Basis Remarks WHITE RIVER 17517 Ν LY34GL 12.45 21N 05E 29 Temperature Water Dept. of Ecology unpublished data from ambient monitoring station 10C095 (White R. @ R Street) shows a 7-day mean of daily maximum values of 20.9 for mid-week 21 July 2002 Erickson (1999) station WHI08.0 (White River (WHI08.0)) shows 2 excursions beyond the criterion out of 6 samples collected between 06/96 - 11/97. Erickson (1999) station WHI04.9 (White River (WHI04.9)) shows 3 excursions beyond the criterion out of 6 samples collected between 06/96 - 11/97. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 10C095 (White River @ R Street) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 21301 Ν WHITE RIVER 10 5 LY34GL 3.586 20N 04E 13 Temperature Water Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria at RM 1.8 in 2002 and 2003. Northwest Pulp and Paper Association presented rationale and a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a twoyear ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and the associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL. 10 21302 5 Ν WHITE RIVER 0.221 20N 04E 23 LY34GL **Temperature** Water Parametrix, 2002. shows a 7-day mean of daily maximum value of 18.09 deg. C at RM 0.3 in 2002. Parametrix, 2002. by comparison with upstream station shows the segment did not exceed the allowable 0.3 deg C rise in

Location Information

Parameter

Medium

water temperature from the Sonoco Products discharge at Sumner when upstream temperature was greater that 18

WRIA Listing ID Category 98 List? Waterbody Name

WRIA	Listing ID Catego	ry 98 L	_ist?	Waterbody Name Basis	Location I	nformati	on			Parameter Remarks	Medium	
11	6329 5	Y		CLEAR LAKE	650HOS	16N	03E	31		Total Phosphorus	Water	
				Data Collected by the Thurston County and Dept. of Ecology (submitted by Sue Davis on 10 by severe algae blooms.	/30/97) sho	w eutrop	ohic cor	nditions	and impacts to recre	eation caused		
				Completed Phase I State Clean Lakes Restoration Project in 1994: Tacoma-Pierce County H	Health Depa	rtment,	1994.					
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 20 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.								
11	22174 5	N		EAST CREEK	JT45YU	6.952	14N	04E	12	Temperature	Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.5 degrees C from continuous measurements collected during 2002 at the station called 'East Creek near Forest Boundary'.								
11	8680 5	Y		HARTS LAKE	240QMC	16N	03E	07		Total Phosphorus	Water	
				Singleton, 1983, Eutrophic conditions causing fish kills and hypolimnetic anoxia.								
				O'Neal et al. (2001) concludes that designated uses are not being supported.								
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 442 standards nutrient criterion for the Puget Lowlands Ecoregion.	ug/L from s	amples	collecte	ed in 19	81 which exceeds th	ne water quality		
11	22177 5	N		LITTLE NISQUALLY RIVER	UL30WE	5.892	15N	04E	33	Temperature	Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 degrees C from continuous measurements collected during 2002 at the station called 'Little Nisqually River above Wildcat Creek'.								
11	22180 5	N		LITTLE NISQUALLY RIVER, W.F.	WS70LK	3.262	14N	04E	20	Temperature	Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West labels' (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West labels' (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West labels' (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West labels' (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West labels' (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements)								
11	22181 5	N		LITTLE NISQUALLY RIVER, W.F.	WS70LK	1.422	14N	04E	17	Temperature	Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer degrees C from continuous measurements collected during 2002 at the station called 'West	,		,		,			

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Nisqually Indian Tribe unpublished data (submitted by Sayre Hodgson on 6 February 2003) at RM MR85 show a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurements collected in 1994.

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MASHEL RIVER

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KU71FS 14.736 16N 05E 17

Temperature

Water

WRIA	Listing ID Ca	itegory	98 List?	Waterbody Name Basis	Location I	nformatio	on				Parameter	Remarks	Medium
11	7529	5	Y	MCALLISTER CREEK	LD26OX	2.571	18N	I 01E	3	8	Dissolved o	xygen	Water
				Data Collected by Thurston County (submitted by Sue Davis on 10/30/97) show 12 excursion McAllister Creek RM 2.5 (Interstate 5) in 1995-1996.	ons beyond t	he criteri	on out	of 12 s	samp	ples (100%) collec	eted at	Policy 1-11 (update number of years of	nent of data it was determined that WQ ad 9/03) was overly restrictive for the data excursions needed to list for D.O. ad on a review of monitoring studies for
DO												excursions for at le	etermined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues
to												be impaired. (Brale	y, ECY/WQP, 2003)
11	7532	5	Y	MCALLISTER CREEK	LD26OX	3.548	18N	I 01E	E 3	7	Dissolved o	xygen	Water
				Data Collected by the Nisqually Tribe (submitted by Sue Davis on 10/30/97) show 27 excurs McAllister Creek RM 3.1 between 1993 and 1996.	sions beyond	d the crit	terion (out of 4	41 sa	amples (66%) col	lected at		
11	7530	5	Υ	MCALLISTER CREEK	LD26OX	2.571	18N	I 01E	3	8	Fecal Colifo	rm	Water
				Data Collected by Thurston County (submitted by Sue Davis on 10/30/97) show a geometric of 6 samples collected at McAllister Creek RM 2.5 (Interstate 5) in 1994-1995 .	c mean of 74	l org/100	mL wi	th 33%	exc	eeding te percent	ile criterion ou	t	
				Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CR CREEK (MC41)) shows the geometric mean of 33.5275951972657 does not exceed the crit criterion from 4 samples collected during 2001.									
				Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CR CREEK (MC30)) shows the geometric mean of 93.407840767339 does not exceed the crite percentile criterion from 26 samples collected during 2001.									
11	7531	5	Y	MCALLISTER CREEK	LD26OX	3.548	18N	I 01E	3	7	Fecal Colifo	rm	Water
				Data Collected by the Nisqually Tribe (submitted by Sue Davis on 10/30/97) show a geometout of 15 samples collected at McAllister Creek RM 3.1 during 1995-1996.	tric mean of	201 org/	100mL	with 5	53% (exceeding te perc	entile criterion		
				Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CR CREEK (MC34)) shows the geometric mean of 82.9214533349075 does not exceed the crit percentile criterion from 7 samples collected during 2001.									

Data from the Dept. of Ecology EIM database for the Project BEDI0005 (MCALLISTER CREEK WATER QUALITY SURVEY) station MC32 (MCALLISTER CREEK (MC32)) shows the geometric mean of 74.0869209206688 does not exceed the criterion and that 33.333333333333333333 % of the samples exceeds the percentile criterion from 9 samples collected during 2001.

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WRIA	Listing ID Ca	itegory	98 List?	Waterbody Name Basis	Location Ir	nformation			Parameter	Remarks	Medium
11	39746	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-224 sho the percentile criterion with the last sample collected on 3-Dec-2001. Department of Health unpublished data collected from station NISQUALLY REACH-234 sho the percentile criterion with the last sample collected on 3-Dec-2001.	-		22 cfu/100n	nL and 30% of san		rm	Water
11	39748	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-235 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.		47122A6J ric mean of			Fecal Colifor	rm	Water
11	39749	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-236 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD w a geomet	47122A7J ric mean of			Fecal Colifor	rm	Water
11	39750	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-245 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD w a geomet	47122B7B			Fecal Colifor	rm	Water
11	39752	5	N	NISQUALLY REACH/DRAYTON PASSAGE Department of Health unpublished data collected from station NISQUALLY REACH-247 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	390KRD w a geomet	47122B6B			Fecal Colifor	rm	Water
11	7533	5	Y	OHOP CREEK Nisqually Tribal data (submitted by Anthony Whiley 2/16/96) show numerous high levels from Nisqually River Education Project station Ohop Creek@Kjelstad Rd. data show a geometric River Education Project station Ohop Creek@Kjelstad Rd. data show a geometric mean of 2	mean of 69	cfu/100mL f	rom 2 sam	y the between 199		Fecal coliform data	Water were previously submitted only in water segment is listed as Category 5 assessment.
11	6360	5	Υ	OHOP LAKE Phase I State Clean Lakes Restoration Project: Problems encountered - impaired salmon refinal report completed in 5/97. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 59 ustandards nutrient criterion for the Puget Lowlands Ecoregion.	-	_	algal bloor			horus	Water
12	42443	5	N	AMERICAN LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet sam	842SQS ples collecte	-	05		2,3,7,8-TCDE)	Tissue

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformati	on			Parameter	Remarks	Medium
12	42168	5	N	AMERICAN LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet samp	329BEX	-	-	20		Dieldrin		Tissue
12	42169	5	N	AMERICAN LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Kokanee fillet samp	-	19N ed 8/1/2	-	20		Total PCBs		Tissue
12	6288	5	Y	AMERICAN LAKE Completed Federal Clean Lakes Restoration Project in 1993 -Problems Encountered: toxic by public health advisories. KCM, 1993. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 1 ug which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Encountered:	/L derived f	lgal blo	oms wl	nich hav		·	Phase II Federal C Watershed Manage Control Measures I	ement Plan was completed by July 1997. Proposed - Phosphorus ation, watershed nutrient management,
12	16720	5	Y	CHAMBERS CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A070 (LOCATED AT CHAMBER not exceed the criterion and that 0% of the samples does not exceed the percentile criterion Ecology Ambient Monitoring Station 12A070 (LOCATED AT CHAMBERS CREEK ROAD BR and that 0% of the samples does not exceed the percentile criterion from 3 samples collected Station 12A070 (LOCATED AT CHAMBERS CREEK ROAD BRIDGE 1) shows a geometric samples exceeds the percentile criterion from 8 samples collected during 1993.	from 3 sam IDGE 1) s d during 19	ples co hows a 96.; H	D BRID llected geome	during etric mea (2001) D	shows a geometric r 1995.; Hallock (200° an of 23 does not exc Dept. of Ecology Amb	 Dept. of ceed the criteric ient Monitoring 	s	Water
12	7543	5	Y	CLOVER CREEK McCarthy, 1996., 3 excursions beyond the criterion out of 5 samples (60%) at station 480 fr	FC86XG rom 1991 to		191	I 03E	45	Dissolved or	During the assessn Policy 1-11 (update number of years of impairments . Basi DO statewide, it wa excursions for at le used as an alternat	Water nent of data it was determined that WQ d 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for s determined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues y, ECY/WQP, 2003)
12 1998	7545	5	Y	CLOVER CREEK McCarthy, 1996., 4 excursions beyond the criteria out of 8 samples (50%) at station 360 from	PS92IZ om 1991 to		7 19N	I 03E	47	Fecal Colifor	Fecal coliform data	Water were available only in hardcopy form. is listed as Category 5 based on the
12 1998	7547	5	Y	CLOVER CREEK McCarthy, 1996., 7 excursions beyond the criteria out of 13 samples (53%) at station 430 fr	PS92IZ rom 1991 to	6.487 1992;	191	I 03E	42	Fecal Colifor	Fecal coliform data	Water were available only in hardcopy form. is listed as Category 5 based on the

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
12	7548	5	Υ	CLOVER CREEK	PS92IZ	2.126	19N	02E	48	Fecal Colifo	rm	Water
1998				McCarthy, 1996., 4 excursions beyond the criteria out of 15 samples (27%) at station 500 f	rom 1991 t	o 1992;						were available only in hardcopy form. is listed as Category 5 based on the
1990											assessment.	
12	7549	5	Υ	CLOVER CREEK	PS92IZ	0.546	19N	02E	11	Fecal Colifo	rm	Water
1000				McCarthy, 1996., 5 excursions beyond the criteria out of 10 samples (50%) at station 602 f	rom 1991 t	o 1992;						were available only in hardcopy form. is listed as Category 5 based on the
1998				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A110 (LOCATED ON CLOVE exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 2 sai Ambient Monitoring Station 12A110 (LOCATED ON CLOVER CREST DRIVE JUST OFF G) of the samples exceeds the percentile criterion from 3 samples collected during 1996.	mples colle	cted duri	ng 199	5.; Ĥa	llock (2001) Dept. o	f Ecology	assessment.	
12	7553	5	Υ	CLOVER CREEK	PS92IZ	0.546	19N	02E	11	Temperature	e	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 12A110 (Clover Cr abv Steilacoc	om Lk) sho	ws 4 exc	cursions	s beyon	d the criterion out o	f 16 samples	This listing was place	ed on Categry 2 in error, a
reassess	ment			collected between 1993 - 2001 measured on these dates: 96/07/24, 96/08/21, 97/07/23, 97/07/23, 97/07/24	9/23,						of data indicates tha	t it should be on Category 5. sb 4/6/05
				Johnson (1996) station 12A110 (LOCATED ON CLOVER CREST DRIVE JUST OFF G) show between 08/95 - 10/95.	ws 0 excurs	sions bey	ond the	e criteri	on out of 4 samples	collected		
				3 excursions beyond the criterion at USGS station 12090602 (at Gravelly Lake drive near Ta	coma) in 19	991.						
12	3745	5	N	LEACH CREEK	GY44AY	0	20N	02E	27	Mercury		Water
				Data from the Dept. of Ecology EIM database for the Project AJOH0023 (1995 CHAMBERS/ (CHAMBERS CK)) shows 2 excursions beyond the criterion out of 2 samples collected between			LS) sta	ation LE	ACH (LEACH CRE	EK AT MOUTH		
12	35829	5	N	PUGET SOUND (SOUTH)	390KRD	471220	C5E6	47.24	15 122.565	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule tissue tissue tissue tissue tissue tissue tissue samples collected in 1992-1993 from copper rockfish (Sebatissue tissue)						5 muscle		
12	6118	5	N	SPANAWAY LAKE	900AKK	19N (03E	20		Fecal Colifo	rm	Water
				Department of Ecology lakes monitoring data shows 3 of 3 (100%) daily maximum samples (criterion in 2003. Samples were collected near Main Beach recreation area and reflects water						the percentile		
				Smith et al. (2000) shows 0 sample above the criterion out of 4 samples.								
12	40866	5	Y	STEILACOOM LAKE	425LMS	20N	02E	34		Sediment Bi	oassay	Sediment
				Bennett and Cubbage, 1992, significant response on bioassays with Hyalella and Hexagenia								

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location Inf	formation		Parameter	Remarks	Medium		
12	6374	5	Y	STEILACOOM LAKE State Phase I Clean Lakes Restoration Project -diagnostic/feasibility report submitted to Ecolo Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 39 us standards nutrient criterion for the Puget Lowlands Ecoregion.	ogy.	20N 02E		Total Pho	•	Water		
12 1998	7558	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT 99TH STREE McCarthy, 1996., 5 excursions beyond the criteria out of 7 samples (71%) at station 380 (Unito 1992;	•	FP21BP 0.67 butary to N.F.		15 9th Street E.) from 199		Fecal Coliform a were available onl nt is listed as Catego		
12 1998	5847	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT BINGHAM A McCarthy, 1996., 2 excursions beyond the criteria out of 3 samples (67%) at station 340 (Ut to 1992;	•	PS92IZ 14.4 utary. to Clove		03E am Ave. E) from 1991		23 Fecal C a were available onl this listed as Catego		
12 1998	5848	5	Y	UNNAMED CREEK (TRIBUTARY TO CLOVER CREEK AT BROOKDAL McCarthy, 1996, 2 excursions beyond the criteria out of 4 samples (50%) at station 395 (Unnato 1992. McCarthy, 1996, 5 excursions beyond the criteria out of 9 samples (55%) at station 400 from	amed tributa	•		48 kdale Road) from 199		Fecal Coliform a were available onl nt is listed as Catego		
12 the	6323	5	N	WAPATO LAKE Completed Federal Clean Lakes Restoration Project in 1981 - Problems Encountered: Blue-grecycling, storm water, low transparency, fecal coliform bacteria; Canning, et al. 1978; Metro	reen algae,		oxygen, turbidity	Fecal Col sediment phosphorus	Completed Phase Engineers, 1986; Phase I Study - p diversion, dilution/ controls, public ed	a were previously su ne water segment is	iplemented ion/inactiva structural submitted on	based on ation, storm water
13	5851	5	Y	AYER (ELWANGER) CREEK Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on		2.997 17N etween 1992 a		Dissolved	l oxygen	Water		
13	5849	5	Υ	AYER (ELWANGER) CREEK Sixteen excursions beyond the criterion collected by Thurston County (submitted by Sue Dav		2.997 17N 6) between 19		Fecal Col Sienna Court.	Fecal coliform data	Water a were previously sune water segment is assessment.		

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location	nformatio	n				Parameter		Medium
				Basis								Remarks	
13	5850	5	Υ	AYER (ELWANGER) CREEK	XR83PB	2.997	17N	01E	07		рН		Water
				Four excursions beyond the criterion out of 9 samples collected by Thurston County (sub	mitted by Sue	Davis on	3/28/9	6) betw	een 1	992 and 1995	j.	Low pH	
13	42337	5	N	BLACK RIVER DITCH	GW14BN	46.06	18N	02W	29		Temperature	•	Water
				Thurston County data (submitted by Mark Biever on March 16, 2004), station (Black Ditch which the 7-day mean of daily maximum value exceeded the temperature criterion for this for the 7-day period ending July 31, 2003.									
13	8688	5	Υ	BUDD INLET (INNER)	390KRD	47122	8F9	47.05	5	122.895	BENZO(A)A	NTHRACENE	Tissue
				Norton, 1986., excursions beyond the criterion in edible shellfish tissue.									
13	8685	5	Υ	BUDD INLET (INNER)	390KRD	47122	8F9	47.05	5	122.895	Benzo(b)flu	orene	Tissue
				Norton, 1986., excursions beyond the criterion in edible shellfish tissue.									
13	8686	5	Υ	BUDD INLET (INNER)	390KRD	47122	8F9	47.05	5	122.895	Benzo(k)flud	orene	Tissue
				Norton, 1986., excursions beyond the criterion in edible shellfish tissue.									
13	8689	5	Υ	BUDD INLET (INNER)	390KRD	47122	8F9	47.05	5	122.895	Chrysene		Tissue
				Norton, 1986., excursions beyond the criterion in edible shellfish tissue.									
13	5852	5	N	BUDD INLET (INNER)	390KRD	47122	9F0	47.05	5	122.905	Dissolved of	xygen	Water
				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 22 excursions 1992 and 1994.	beyond the	criterion o	out of 4	8 sampl	les (46	6%) at station	BI-4 between	natural conditions	eviewed by Ecology Marine Unit staff for , with the conclusion that anthropogenic o contribute to the D.O. exceedances. This
4/2005)				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station BUD002 (Budd Inlet - S	. End Oly Po	t) shows	5 excur	sions be	eyond	I the criterions	out of 37		eft on Category 5 (Grantham memo,
4/2003)				samples collected between 1993-2000									
13	5853	5	Υ	BUDD INLET (INNER)	390KRD	47122	√9E0	47.04	5	122.905	Dissolved o	xygen	Water
4/2005)				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 25 excursions excursions beyond the criterion out of 44 samples (52%) at station BI-6 between 1992 are		criterion o	out of 4	9 sampl	les (5°	1%) at station	BI-5 and 23	natural conditions sources appear to	eviewed by Ecology Marine Unit staff for , with the conclusion that anthropogenic o contribute to the D.O. exceedances. This eft on Category 5 (Grantham memo,

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Local Basis	cation Inf	formation			Parameter	Remarks	Medium
13	5862	5	Υ	BUDD INLET (INNER) 390	KRD	47122A9G0	47.065	122.905	Dissolved ox	(ygen	Water
		-		Data collected by Ecology (summarized by Eisner and Newton, 1997) show 10 excursions beyond 1992 and 1994.						This listing was revinatural conditions, visources appear to conditions.	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ton Category 5 (Grantham memo,
4/2005)											, , , , , , , , , , , , , , , , , , , ,
13	5863	5	Υ	BUDD INLET (INNER) 390	KRD	47122A8F9	47.055	122.895	Dissolved ox	kygen	Water
				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond 1992 and 1994.	I the crit	terion out of 26	samples (2	7%) at station B	I-1 between	natural conditions, v	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ton Category 5 (Grantham memo,
4/2005)										nothing officials bollon	ton ealogory o (Grantinam mome,
13	5864	5	Υ	BUDD INLET (INNER) 390	KRD	47122A8G9	47.065	122.895	Dissolved ox	cygen	Water
				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 15 excursions beyond 1992 and 1994.	d the cr	riterion out of 4	8 samples (31%) at station I	BI-2 between	natural conditions, values appear to o	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This
4/2005)										listing should be let	t on Category 5 (Grantham memo,
13	7587	5	N	BUDD INLET (INNER) 390	KRD	47122A9H1	47.075	122.915	Dissolved ox	cygen	Water
				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 20 excursions beyond 1992 and 1994.	d the cr	riterion out of 4	7 samples (43%) at station I	BA-2 between	natural conditions, values appear to o	with the conclusion that anthropogenic contribute to the D.O. exceedances. This
4/2005)										listing should be len	t on Category 5 (Grantham memo,
13	40581	5	Υ	BUDD INLET (INNER) 390	KRD	47122A9F0	47.055	122.905	Dissolved ox	kygen	Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station BUD002 (Budd Inlet - S. End O samples collected between 1993-2000	Oly Port)	shows 5 excu	sions beyor	d the criterions	out of 37	natural conditions, v	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This
4/2005)										iisiiriy siroula be ler	t on Category 5 (Grantham memo,
13	8690	5	Υ	BUDD INLET (INNER) 3901	KRD	47122A8E9	47.045	122.895	Total PCBs		Tissue
				Johnson and Davis, 1996., excursion beyond the National Toxics Rule criterion (PCB-1254) calc head of East Bay at the culvert at the mouth of Moxlie Creek.	lculated	for tissue in m	ussel sampl	es collected in 1	995 from the		

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Location Information Basis	Parameter M Remarks	l edium
13	3769	5	N		7.145 122.925 Dissolved oxygen W mples (20%) at station BF-3 between This listing was review natural conditions, with sources appear to core	Vater ved by Ecology Marine Unit staff for th the conclusion that anthropogenic ntribute to the D.O. exceedances. This on Category 5 (Grantham memo,
4/2005)						
13	3770	5	N	BUDD INLET (OUTER) 390KRD 47122B9E1 Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the criterion out of 13 s 1992 and 1994.	nples (23%) at station BF-2 between This listing was review natural conditions, with sources appear to core	water wed by Ecology Marine Unit staff for the the conclusion that anthropogenic htribute to the D.O. exceedances. This on Category 5 (Grantham memo,
4/2005)					g	
13 4/2005)	7582	5	Y	BUDD INLET (OUTER) Data collected by Ecology (summarized by Eisner and Newton, 1997) show 4 excursions beyond the criterion out of 24 s 1992 and 1994.	nples (17%) at station BB-1 between This listing was review natural conditions, with sources appear to core	Water wed by Ecology Marine Unit staff for the the conclusion that anthropogenic ntribute to the D.O. exceedances. This on Category 5 (Grantham memo,
13 4/2005)	7583	5	Y	BUDD INLET (OUTER) 390KRD 47122B9A1 Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 45 1992 and 1994.	amples (27%) at station BC-3 between This listing was review natural conditions, with sources appear to core	Vater ved by Ecology Marine Unit staff for th the conclusion that anthropogenic ntribute to the D.O. exceedances. This on Category 5 (Grantham memo,
13 4/2005)	7584	5	Y	BUDD INLET (OUTER) 390KRD 47122A8J9 Data collected by Ecology (summarized by Eisner and Newton, 1997) show 9 excursions beyond the criterion out of 28 s 1992 and 1994.	nples (32%) at station BC-1 between This listing was review natural conditions, with sources appear to core	Vater ved by Ecology Marine Unit staff for the the conclusion that anthropogenic htribute to the D.O. exceedances. This in Category 5 (Grantham memo,
13 4/2005)	7585	5	Y	BUDD INLET (OUTER) 390KRD 47122A9I1 Data collected by Ecology (summarized by Eisner and Newton, 1997) show 19 excursions beyond the criterion out of 49 1992 and 1994.	amples (39%) at station BB-2 between This listing was review natural conditions, with sources appear to cor	Vater ved by Ecology Marine Unit staff for the the conclusion that anthropogenic ntribute to the D.O. exceedances. This on Category 5 (Grantham memo,

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WRIA	Listing ID Ca	itegory	98 List?	Waterbody Name Basis	Location Ir	nformation			Parameter	Remarks	Medium
13	7586	5	Y	BUDD INLET (OUTER)		47122B9A0	47.105	122.905	Dissolved ox	, 0	Water
1/0005				Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions be 1992 and 1994.	eyond the c	criterion out of 3	30 samples (4	40%) at station		natural conditions, sources appear to	viewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ft on Category 5 (Grantham memo,
4/2005))										
13	40588	5	Υ	CAPITOL (NORTH ARM) LAKE	601ADB	18N 02W	15		Fecal Colifor	m	Water
Arm				Completed Phase I State Clean Lakes Restoration Project in 1984 -Problems Encountered: I	Low dissolve	ed oxygen, high	n turbidity, se	edimentation, tr	ibutary nutrient	Water Segment Nu	umber 601ADB includes both the North
				inputs, fecal coliform bacteria. Data collected by Brown and Caldwell (submitted by Matthew collected between 1/97 and 3/97 at the dam.	Davis on 9/	(17/97) show 4	excursions b	eyond the uppo		9030). Completed	020) and the South Arm (Old ID # WA-13- Phase II State Clean Lakes Restoration ontrol measures implemented based on
the										hypolimnetic inject cannot be exclude CFR130.7(b)(1)(iii)	diment removal dredging, drawdown, ion/withdrawl. Per EPA guidance, this lake d from the list under federal regulation 40 since the known monitoring occurring were not completely effective at meeting dards.
		_									
13	22718	5	Y	CAPITOL (NORTH ARM) LAKE	601ADB	18N 02W			Total Phosph		Water
eutroph	nication.			Sumioka and Dion (1985). show a summer epilimnetic total phosphorus concentration of 42 which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregic		d from the repo	rted Carlson's	s Trophic State			nis lake are eutrophic. The lake has large oms, which are indicative of
323p1				Monitoring for total P done by Thurston County bewteen 1999-2003 shows average levels of	33 ug/l to 3	5 ug/l. (Moore	, ECY/WQP,	2003)		This lake remains ECY/WQP, 2003)	impaired for phophorus. (Moore,

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13 16722 5 Y DESCHUTES RIVER

TM40PW 1.076 18N 02W 60

Fecal Coliform

Water

Hallock (2004), Dept. of Ecology ambient station 13A060 meets tested standards for fecal coliform.

Hallock (2004), Dept. of Ecology ambient station 13A060 shows 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 28 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 36 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 34 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 34 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 51 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 59 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (Deschutes R. at E St Bridge) shows a geometric mean of 25 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1993.

13 6232 5 Y DESCHUTES RIVER

TM40PW 43.781 16N 02E 30

Fine Sediment

Water

The following references document habitat alterations:

Schuett-Hames and Flores, 1993, fine sediment rated as 'poor' according to the TFW watershed analysis manual threshold on reach 22 (RM 28.5)

Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show fine sediment ranging from 15.5% to 22.5%

The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.

The following references document human-caused contribution to habitat alterations

Toth. 1991

Thurston County, 1995

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location In	formatio	n			Parameter	Medium Remarks
				DdSIS							Remarks
13	6576	5	Υ	DESCHUTES RIVER	TM40PW	1.076	18N	02W	60	Temperature	e Water
				Dept. of Ecology unpublished data from core ambient monitoring station 13A060 (Deschutes 19.4 for mid-week 10 August 2001.	R. at E St B	ridge) sl	nows a	7-day	mean of daily max	kimum values of	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 13A060 (DESCHUTES RIVER samples collected between 1993 - 2001	AT E ST BRI	DGE) sł	ows 1	excurs	ions beyond the c	riterion out of 50	
13	7588	5	Υ	DESCHUTES RIVER	TM40PW	58.221	15N	03E	07	Temperature	e Water
				Sullivan et al. 6 excursions beyond the criterion collected in 8/88 at site AF.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	7590	5	Υ	DESCHUTES RIVER	TM40PW	22.466	17N	01W	33	Temperature	e Water
				Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 38 excursions beyon	nd the criteri	on at RN	1 15.0	during	1995.		Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	7591	5	Υ	DESCHUTES RIVER	ST93WM	0	16N	01E	18	Temperature	e Water
				Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 27 excursions beyon	nd the criteri	on at RN	1 20.8	during	1995.		Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	7592	5	Υ	DESCHUTES RIVER	TM40PW	43.781	16N	02E	30	Temperature	e Water
				Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 32 excursions beyon	nd the criteri	on at RN	1 28.5,	during	1995.		Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	7593	5	Υ	DESCHUTES RIVER	TM40PW	49.861	16N	02E	34	Temperature	e Water
				Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 54 excursions beyon	ond the criter	ion at Ri	M 33.0	during	1995.		Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
13	40612	5	Υ	DOBBS CREEK	UNK000	0	00U	000U	J 00	Fecal Colifo	rm Water
alma "				15 excursions beyond the criterion collected by Thurston County (submitted by Sue Davis or	n 3/28/96) be	tween 1	992 an	d 1995	j.		There is no WASWIS ID for this segment. The stream
drains											to the east shore of Henderson Inlet. TRS 19N-01W-28.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location In	nformation			Parameter	Medium Remarks
13 drains	40613	5	Y	DOBBS CREEK Three excursions beyond the criterion collected by Thurston County (submitted by Sue Davis	UNK000 s on 3/28/96		000U 00 /16/93 and 1	2/20/94.	рН	Water There is no WASWIS ID for this segment. The stream to the east shore of Henderson Inlet. TRS 19N-01W-28.
13	39755	5	Y	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-185 shows samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-187 shows samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-188 shows samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-189 shows the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-195 shows samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	w a geomet w a geomet w a geomet w a geomet	tric mean of 17 tric mean of 18 tric mean of 16	cfu/100mL a cfu/100mL a cfu/100mL a	nd 26.6666666 nd 26.6666666 nd 30% of sam	666667% of 666667% of ples exceed	orm Water
13	39756	5	Y	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-186 show samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.		47122B8A2 tric mean of 19	47.105 cfu/100mL a	122.825 nd 26.6666666	Fecal Colifo	orm Water
13	39763	5	N	HENDERSON INLET Department of Health unpublished data collected from station HENDERSON INLET-192 show samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-194 show	w a geomet					Although the water quality standards are met, the samples exceed the Department of Health's criterion for a Threatened shellfish growing area.

Department of Health unpublished data collected from station HENDERSON INLET-194 show a geometric mean of 8 cfu/100mL and 10% of samples exceed the

percentile criterion with the last sample collected on 4-Dec-2001.

Department of Health unpublished data collected from station HENDERSON INLET-196 show a geometric mean of 5 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.

samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.

Department of Health unpublished data collected from station HENDERSON INLET-204 show a geometric mean of 4 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on				Parameter	Medium Remarks	
				Dasis								Itemarks	
13	39766	5	N	HENDERSON INLET	390KRD	47122E	B8B3	47.11	5	122.835	Fecal Colifor	m Water	
				Department of Health unpublished data collected from station HENDERSON INLET-197 sho samples exceed the percentile criterion with the last sample collected on 4-Dec-2001. Department of Health unpublished data collected from station HENDERSON INLET-200 sho the percentile criterion with the last sample collected on 4-Dec-2001.	· ·								
13	39767	5	N	HENDERSON INLET	390KRD	47122E	B8C3	47.12	25	122.835	Fecal Colifo	m Water	
				Department of Health unpublished data collected from station HENDERSON INLET-191 sho percentile criterion with the last sample collected on 4-Dec-2001.	ow a geome	tric mear	n of 8 cf	u/100m	L and	10% of samp	les exceed the		
				Department of Health unpublished data collected from station HENDERSON INLET-198 sho samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	ow a geome	tric mear	n of 8 cf	u/100m	L and	13.33333333	33333% of		
				Department of Health unpublished data collected from station HENDERSON INLET-204 sho percentile criterion with the last sample collected on 4-Dec-2001.	ow a geome	tric mear	n of 4 cf	u/100m	L and	0% of sample	es exceed the		
13	39770	5	N	HENDERSON INLET	390KRD	47122E	B8C2	47.12	25	122.825	Fecal Colifor	m Water	
				Department of Health unpublished data collected from station HENDERSON INLET-201 sho samples exceed the percentile criterion with the last sample collected on 4-Dec-2001.	ow a geome	tric mear	n of 12 (cfu/100r	mL and	d 16.666666	666667% of		
13	3757	5	Υ	HUCKLEBERRY CREEK	RX35HU	1.575	15N	04E	17		Temperature	Water	
				Caldwell, et al. 1991, Numerous excursions beyond the criterions at 4 different locations dur	ing 1990.							The daily maximum excursions a not meet the WQ Program Policy showing persistent temperature placed in waters of concern cate monitoring indicates the status of	71-11 (updated 9/02) for mpairment. Listing will be gory until further study and
13	3758	5	Υ	INDIAN CREEK	KX91JE	2.632	18N	01W	18		Fecal Colifor	m Water	
				Thirteen excursions beyond the criterion collected by Thurston County (submitted by Sue Da	avis on 3/28	3/96) betv	ween 1	993 and	1995	at Quince Av	e.	Fecal coliform data were previous hardcopy form. The water segment based on the 1998 assessment.	
13	3759	5	Υ	INDIAN CREEK	KX91JE	0	18N	02W	41		Fecal Colifor	m Water	
				Data collected by Brown and Caldwell (submitted by Matthew Davis on 9/17/97) show numeral 11/96 and 8/97 at the mouth: 3 of 4 samples (75%) collected in 1996 exceeded the percentil criterion in 1997.									

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criterion in 1997.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location In	formation	on		Parameter	Remarks	Medium
13	6348	5	N	LAWRENCE LAKE	355SBF	16N	02E 2	29	Total Phosp	horus	Water
				Completed Phase I State Clean Lakes Restoration Project in 1992 - Problems Encountered: transparency, sediment phosphorus recycling. KCM, 1991.	Blue-green	algae,	hypolim	netic anoxia, aquatic macro	phytes, low	measures impleme development of pla removal/dredging, v	an Lakes Restoration Project: Control ented based on the Phase I Study - ans and specifications for sediment watershed nutrient management (septic ent), public education.
13	6352	5	N	LONG LAKE	473ADP	18N	01W 2	22	Total Phosp	horus	Water
Droin et in				Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered	d: Blue-gree	n algae	e, low tra	ansparency, aquatic macrop	hytes, sedime	nt Complete	ed Federal Clean Lakes Restoration
Project in				phosphorus recycling.							gineer's, 1987. Control measures
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 10 u which does not exceed the water quality standards nutrient criterion for the Puget Lowlands		from the	e report	ed Carlson's Trophic State	Index value	macrophyte harves 1995 = monitored e	sphorus precipitation/inactivation, aquatic sting, public education. Welch and Cooke, effectiveness of control measures showed in whole-lake total phosphorus 8 years
after										· ·	, , ,
										has been adopted I Lake Management	A phosphorus control plan is in place that by Thurston County on 1/3/95. An active District with funding for the phosphorus Thurston County Ordinance Number
11000										adopted 9/5/95.	
										Listing ID 22723 ro	elled into this listing 04/06/04 -kk
13	17431	5	N	MCINTOSH LAKE	618HVI	16N	01W 3	33	Total PCBs		Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Bro	wn trout coll	ected in	n 2001.				
13	12581	5	N	MCLANE CREEK	SD15AI	0.792	18N	03W 24	Fecal Colifo	rm	Water
				National Monitoring Program unpublished data (submitted by David Batts on 13 December 2 wet season from 1998-1999. National Monitoring Program unpublished data (submitted by D percentile criterion in the wet seasons from 2001-2002. National Monitoring Program unpub excursions beyond the the geometric mean criterion in the dry season from 1999-2001. Nation 13 December 2002) show excursions beyond the percentile criterion in the dry season	avid Batts o lished data (onal Monitori	n 13 De submitt ing Prog	ecember ed by D	2002) show excursions be avid Batts on 13 December	yond the the 2002) show		
13	41707	5	N	MCLANE CREEK	SD15AI	0	18N	02W 19	Fecal Colifo	rm	Water
				Batts, D. and K. Seiders, (2003), station MCL-SAMPLE shows that 15 of 42 samples (35.7% samples (29.3%) collected in 2000 exceed the percentile criterion; Batts, D. and K. Seiders, (2003), station MCL-SAMPLE shows the geometric mean of 109.5 exceed the percentile criterion.	•			·			

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WRIA	Listing ID Categ	gory (98 List?	Waterbody Name Basis	Location In	nformation	1		F	Parameter	Remarks	Medium
13	3761	5	Υ	MOXLIE CREEK	UNK000	0	00U 000	0U 00		Fecal Colifor	rm	Water
				Data collected by Thurston County (submitted by Sue Davis on 10/30/97) show 5 excursions between 1994 and 1996.	beyond the	upper cri	iterion at Pl	lum Street	and Henderso	on Blvd	hardcopy form. Th	a were previously submitted only in ne water segment is listed as Category 5 assessment. TRS 18N-02W-27.
13	39781	5	N	NISQUALLY REACH/DRAYTON PASSAGE	390KRD	47122B7	7A3 47.	.105 1	122.735	Fecal Colifor	rm	Water
				Department of Health unpublished data collected from station NISQUALLY REACH-225 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	w a geometi	ric mean c	of 8 cfu/100	0mL and 1	6.666666666	667% of		
				Department of Health unpublished data collected from station NISQUALLY REACH-229 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	w a geometi	ric mean c	of 3 cfu/100	0mL and 3	.333333333333	333% of		
				Department of Health unpublished data collected from station NISQUALLY REACH-230 sho samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.	w a geometi	ric mean c	of 7 cfu/100	OmL and 3	.333333333333	3333% of		
13	6361	5	N	PATTERSON (SOUTH ARM) LAKE	460TBQ	18N 01	1W 35			Total Phosp	horus	Water
_				Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered sediment phosphorus recycling.	d: Blue-gre	en algae,	low transp	parency, ad	quatic macroph	nytes,		l Clean Lakes Restoration Project in1987: 's, 1987. Control Measures Implemented
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 30 u standards nutrient criterion for the Puget Lowlands Ecoregion.	ug/L from sa	mples coll	lected in 19	981 which	exceeds the w	vater quality	harvesting, public of under Ecology's La and Thurston Courthe effectiveness of	oitation/inactivation, aquatic macrophyte education. Monitoring is being conducted ake Water Quality Assessment Program only. Welch and Cooke (1995) monitored of the control and showed only a 1 ug/L ake phosphorus 7 years after
13	3763	5	Y	REICHEL CREEK	PN14TO	0	16N 01I	E 27		Fecal Colifo	rm	Water
				Seven excursions beyond the criterion collected by Thurston County (submitted by Sue Dav	ris on 3/28/9	6) betwee	en 1992 an	d 1995.				a were previously submitted only in ne water segment is listed as Category 5 assessment.
13	40616	5	Υ	SLEEPY (LIBBEY) CREEK	UNK000	0	00U 000	0U 00		Dissolved or	cygen	Water
				Five excursions beyond the criterion collected by Thurston County (submitted by Sue Davis	on 3/28/96)	between	1992 and	1995.				/IS ID for this segment. The stream
drains											to the west shore TRS 19N 02W-18.	of Henderson Inlet into Chapman Cove.
13	40614	5	Υ	SLEEPY (LIBBEY) CREEK	UNK000	0	00U 000	0U 00		Fecal Colifo	rm	Water
				Eleven excursions beyond the criterion collected by Thurston County (submitted by Sue Dav	is on 3/28/9	6) betwee	en 1992 and	d 1995.				/IS ID for this segment. The stream
drains											to the west shore of TRS 19N-02W-18.	of Henderson Inlet into Chapman Cove.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformati	on			Parameter		Medium
				Basis							Remarks	
13	40615	5	Υ	SLEEPY (LIBBEY) CREEK	UNK000	0	00U	000U	00	рН		Water
drains				Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis of	n 3/28/96)	betweer	n 1992 a	nd 1995.			There is no WASW	IS ID for this segment. The stream
urairis											to the west shore o TRS 19N-02W-18.	f Henderson Inlet into Chapman Cove.
13	35941	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES	390KRD	47122	B9F0	47.155	122.905	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule tissue tissue tissue tissue tissue samples collected in 1992-1993 from English sole (Pleuron						n 5 muscle		
13	41709	5	N	SWIFT CREEK	GL11FO	0.058	18N	03W	24	Fecal Colifo	rm	Water
				Batts, D. and K. Seiders, (2003), station SCR shows the geometric mean of 122.0 exceeds the percentile criterion.	ne criterion	and 2 o	f 8 samp	oles (25%	b) collected in 200	0 exceed the		
13	7022	5	Υ	WARD LAKE	729WNB	18N	02W 3	38		Total PCBs		Tissue
				Serdar, 1999. exceeded National Toxics Rule criterion in largemouth bass, rainbow trout, cu	ttthrout tro	ut, and k	okane c	ollected	n 1999.			
				Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue.								
13	3772	5	Υ	WOODARD CREEK	MJ83ZH	0	19N	01W	19	Fecal Colifo	rm	Water
				Thurston County Environmental Health data (submitted by Sue Davis on 2/29/96) show geo	metric mea	n criteria	a are me	et in from	1993 to 1995.		Sue Davis on 2/29/	nvironmental health data (submitted by 96) also showed 8 excursions beyond and 1994. Therefore the category is 5
13	3772	5	Υ	WOODARD CREEK	MJ83ZH	0	19N	01W	19	Fecal Colifo	rm	Water
				Thurston County Environmental Health data (submitted by Sue Davis on 2/29/96) show geo	metric mea	n criteria	a are me	et in from	1993 to 1995.		Sue Davis on 2/29/	nvironmental health data (submitted by 96) also showed 8 excursions beyond and 1994. Therefore the category is 5
13	3774	5	Υ	WOODLAND CREEK	JH31LN	6.044	18N	01W	16	Dissolved o	xygen	Water
				Patterson and Dickes, 1994. 11 excursions beyond the upper criterion out of 30 samples (37)	'%) at RM	4.2 betw	een 199	1 and 19	93.;			
13	6657	5	Υ	WOODLAND CREEK	JH31LN	6.044	18N	01W	16	Fecal Colifo	rm	Water
				Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 4.2 between 1997. Patterson and Dickes, 1993. 5 excursions beyond the upper criterion at RM 3.8 between 1997. Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 3.7 between 1997. Patterson and Dickes, 1992. 2 excursions beyond the upper criterion at RM 4.2 during 1991. Patterson and Dickes, 1992. 3 excursions beyond the upper criterion at RM 3.8 during 1991.	91 and 199 91 and 199 and 1992.	3.						ole in hardcopy format. The water is Category 5 based on the 1998

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location	Informatio	n			Parameter	Remarks	Medium
13	36180	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC continuous measurements collected in 2002.	JH31LN 01 show a	0.034 7-day me		01W naximu		Temperature grees C from	•	Water
13	36184	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC continuous measurements collected in 2002.	JH31LN 10 show a			01W naximu	-	Temperature grees C from)	Water
13	36185	5	N	WOODLAND CREEK Department of Ecology unpublished data from the Woodland Creek TMDL Study station WC continuous measurements collected in 2002.	JH31LN 11 show a			01W naximu		Temperature grees C from	•	Water
14	40605	5	Y	BURNS CREEK	UNK000	0	00U	0000	U 00	Fecal Colifor		Water
drains updated				Seiders, 1995. excursions beyond the criterion during 1992 to 1994 near the mouth of Burns Seiders and Cusimano, 1996. excursions beyond both criteria from 1992 to 1996 near the mouth of Burns.		rns Creek.					to Totten Inlet. TRS	S ID for this segment. The stream 8 19N-03W-27. JB 7-25-03: REASSESS led into this listing. Listed 96 Flag
14	42362	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 349.6 exceeds the exceed the percentile criterion.	UNK000 he criterior	-	_	03W 26 sam		Fecal Coliford in 2001	rm	Water
14	42363	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 77.9 exceeds the the percentile criterion.	UNK000 e criterion	-		03W sample		Fecal Coliforn 1997 exceed	rm	Water
14	42364	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 154 exceeds the exceed the percentile criterion.	UNK000 e criterion a	-		03W sampl		Fecal Colifor in 1998	rm	Water
14	42365	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 83.5 exceeds the the percentile criterion.	UNK000 e criterion	-	_	03W sample		Fecal Coliforn 1996 exceed	rm	Water
14	42366	5	N	BURNS CREEK Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 143.6 exceeds to exceed the percentile criterion.	UNK000 he criterior	-	_	03W 22 sam		Fecal Colifored in 1995	rm	Water

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformation	1			Parameter		Medium
				Basis							Remarks	
14	42367	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 407.9 exceeds t exceed the percentile criterion.	he criterion	and that 2	20 of 2	8 samp	oles (71.4%) collecte	ed in 2000		
14	42368	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003) station BUR shows the geometric mean of 476.4 exceeds the exceed the percentile criterion.	ne criterion	and that 2	6 of 30) samp	les (86.7%) collecte	d in 1999		
14	42369	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 225.5 exceeds t exceed the percentile criterion.	he criterion	and that (of 28	sampl	es (21.4%) collected	d in 1994		
14	42370	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 105.7 exceeds t exceed the percentile criterion.	he criterion	and that 8	3 of 21	sampl	es (38.1%) collected	d in 1993		
14	42371	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 309 exceeds the the percentile criterion.	e criterion a	nd that 6	of 8 sai	mples	(75.0%) collected in	1992 exceed		
14	42372	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 87.3 exceeds the percentile criterion.	e criterion a	and that 9	of 24 s	ample	s (37.5%) collected	in 2002 exceed	i	
14	42373	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 496.4 exceed exceed the percentile criterion.	eds the crite	erion and t	hat 20	of 27	samples (74.1%) col	llected in 2001		
14	42374	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 672.0 exceed collected in 2000 exceed the percentile criterion.	eds the crite	erion and t	hat 11	of 13	samples (84.615384	6153846%)		
14	42375	5	N	BURNS CREEK	UNK000	0	19N	03W	27	Fecal Colifo	orm	Water
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 667.4 exceed exceed the percentile criterion.	eds the crite	erion and	hat 6 d	of 6 sai	mples (100%) collec	ted in 1994		

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location	nformati	on			Parameter	Medium Remarks
14	40624	5	Υ	BURNS CREEK	UNK000	0	00U	000U	00	рН	Water
				Seiders and Cusimano, 1996. 4 excursions beyond the criteria out of 18 samples (22%) from	n 1992 to 1	996 nea	r the mo	uth of I	Burns Creek.		This segment has no WASWIS. Drains to Totten Inlet. TRS 19N-03W-27.
14	7596	5	Υ	CAMPBELL CREEK	BH46CN	1.309	20N	03W	13	Fecal Colifo	rm Water
				Brown and Caldwell Consultants, 1990. , exceeds both criteria at station 73 (RM 0.5) during	j 1988.						
14	24239	5	Y	CAMPBELL CREEK	BH46CN	0	20N	03W	14	Fecal Colifo	rm Water
				Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show collected in 2002.	75% of sa	mples ex	xceeds t	he perc	centile criterion out c	of 4 samples	
				Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show 2002.	a geometi	ic mean	of 295 c	fu/100r	mL out of 4 samples	collected in	
				Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show 2001.	a geometi	ic mean	of 10 cfu	u/100m	L out of 6 samples	collected in	
				Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show 2002.	a geometri	c mean o	of 50 cfu	/100ml	out of 6 samples c	ollected in	
				Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show 2001.	a geometri	c mean o	of 41 cfu	/100ml	out of 3 samples c	ollected in	
14	35988	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122	D8D0	47.33	35 122.805	Bis(2- ethylhexyl)p	Tissue ohthalate
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes							
14	23752	5	N	CRANBERRY CREEK	TX75AG	0.148	21N	03W	36	Temperature	e Water
				Squaxin Island Tribe unpublished data from station Cranberry 1 (At Hwy 3 bridge) show a 7-continuous measurements collected in 2000 and 18.31 degrees C from continuous measurements.				tempe	erature of 19.71 deg	rees C from	
				Data from the Dept. of Ecology EIM database for the Project SPASM (SOUTH PUGET SOU shows 1 excursions beyond the criterion out of 7 samples collected between 03/99 - 09/99		EL) statio	on CRAC	5 (CR <i>A</i>	ANBERRY CREEK	AT HWY 3)	
14	23753	5	N	CRANBERRY CREEK	TX75AG	3.564	21N	03W	34	Temperature	e Water
				Squaxin Island Tribe unpublished data from station Cranberry 2 (At Mickelson Road bridge) C from continuous measurements collected in 2000 and 21.32 degrees C from continuous measurements collected in 2000 and 21.32 degrees C from continuous measurements.					num temperature of	22.53 degrees	

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WRIA	Listing ID Catego	ory 9	8 List?	Waterbody Name Lo	ocation In	ormation			Parameter	Remarks	Medium
14	23754	5	N		show a 7-c		daily maxir		Temperature of 24.53 degree	:	Water
				Squaxin Island Tribe unpublished data from station Cranberry 4 (Above Lake Limerick) show a from continuous measurements collected in 2000 and 24.08 degrees C from continuous measurements				mperature of 24.60	degrees C		
14	6659	5	Y	GOLDSBOROUGH CREEK Michaud, 1988. samples taken between 10/7/1987 and 2/9/1988 at station G(0.0) show a geom			N 03W		Fecal Colifore criteria.	Data is only availab	Water le in hardcopy format. The water category 5 based on the 1998
14	10217	5	Y	GREAT BEND/LYNCH COVE Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB004 (Hood Canal - Gt. Be of 94 samples collected between 1993-2000		47123D0F2 ers Point) sh			Dissolved on criterions out	This listing was revi natural conditions, v sources appear to o	with the conclusion that anthropogenic contribute to the D.O. exceedances. The
4/2005)										listing should be len	t on Category 5 (Grantham memo,
14	6935	5	Y	GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyon criterion at station M4 between 8/1/90 and 8/1/91.	_	47122E8C5			Fecal Colifor	rm	Water
				Department of Health unpublished data collected from station HOOD CANAL #9-286 show a ge percentile criterion with the last sample collected on 14-Nov-2001.	eometric n	nean of 7 cfu	ı/100mL an	d 10% of samples	exceed the		
14	39800	5	Y	Department of Health unpublished data collected from station HAMMERSLEY INLET-100 show samples exceed the percentile criterion with the last sample collected on 6-Dec-2001. Department of Health unpublished data collected from station HAMMERSLEY INLET-111 show percentile criterion with the last sample collected on 27-Nov-2001. Department of Health unpublished data collected from station HAMMERSLEY INLET-112 show percentile criterion with the last sample collected on 27-Nov-2001.	a geome	tric mean of	10 cfu/100i	mL and 13.333333	les exceed the	TRS=22N-02W-22	Water
14	40619	5	Υ	HAPPY HOLLOW CREEK Mason County Shellfish Protection Project. 5 excursions beyond the criterion at station S4 (at H	NK000 Iappy Hol		U 000U etween 8/1/		Fecal Colifor	The stream drains t	Water o the Lower Hood Canal. , LWR=0.000, TRS=22N-02W-22.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformation				Parameter		Medium
				Basis							Remarks	
14	40976	5	N	HOOD CANAL	390KRD	47123D0)G0 4	17.365	123.005	Dissolved ox	xygen	Water
				Newton (2004), Hood Canal Study station SSTRS shows 16 of 36 samples exceeded the crite year 2004.	erion in yea	ar 2003, ar	nd 7 of 1	7 sample	es exceeded th	e criterion in	natural conditions, sources appear to	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ft on Category 5 (Grantham memo,
4/2005)											-	
14	40989	5	N	HOOD CANAL	200KBB	47422D0) IO	17 20E	422.025	Disselved o		Water
14	40303	3	IN	Newton (2004), Hood Canal Study station LYNCH shows 34 of 52 samples exceeded the crite	390KRD	47122D9		17.395 25 samp	122.925	Dissolved on	, ,	Water iewed by Ecology Marine Unit staff for
				year 2004.	enon in yea	ai 2003, ai	nu 14 01	25 Samp	ies exceeded i	ile Citterion in	natural conditions, sources appear to	with the conclusion that anthropogenic contribute to the D.O. exceedances. This it on Category 5 (Grantham memo,
4/2005)												,
		_										
14	40990	5	N		390KRD	47122D9	-	17.395	122.915	Dissolved or	, ,	Water
				Newton (2004), Hood Canal Study station LYNCHN shows 17 of 36 samples exceeded the cri year 2004.	iterion in y	ear 2003,	and 7 of	15 samp	oles exceeded	the criterion in	natural conditions, sources appear to	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This
4/2005)											listing should be let	ft on Category 5 (Grantham memo,
14	23751	5	N	JOHNS CREEK	HL95GY	3.2	20N (03W 05		Temperature	•	Water
				Squaxin Island Tribe unpublished data from station Johns 2 (At Johns Creek Drive gage) show from continuous measurements collected in 2000 and 18.25 degrees C from continuous measurements				imum ten	nperature of 19	0.65 degrees C		
14	41467	5	N	KENNEDY CREEK	AO33HF	0.039	19N (03W 32		Dissolved or	xygen	Water
				Batts, D. and K. Seiders, (2003), station KND shows 1 sample exceeded the criterion in year 1 exceeded the criterion in year 1999.	1993, 1 sa	mple exce	eded the	e criterior	n in year 1994	and 2 samples		
14	41736	5	N	KENNEDY CREEK	AO33HF	0.039	19N (03W 32		Fecal Colifor	rm	Water
				Batts, D. and K. Seiders, (2003), station KND shows that 4 of 36 samples (11.1%) collected in	2001 exc	eed the pe	ercentile	criterion.				
14	24237	5	N	MALANEY CREEK	ZY55KI	0	20N (03W 01		Fecal Colifor	rm	Water
				Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) show a 2002. Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) s in 2001.								
14	40597	5	N	MILL CREEK	ML22SI	2.656	20N (35 35		Temperature	•	Water
				Squaxin Island Tribe unpublished data from station Mill 1 (on dirt trail off Fireweed lane) show from continuous measurements collected in 2000.	a 7-day m	nean of dai	ily maxin	num tem	perature of 21.	74 degrees C		

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from continuous measurements collected in 2000.

WRIA	Listing ID Category	/ 98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
			Basis						Remarks	
14	40598 5	N	MILL CREEK	ML22SI	11.414	20N	03W	30	Temperature	Water
			Squaxin Island Tribe unpublished data from station Mill 2 (at the diner) show a 7-day mean of measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2000 and			nperatu	re of 23	3.02 degrees C from	n continuous	
14	40599 5	N	MILL CREEK	ML22SI	13.363	20N	03W	31	Temperature	Water
			Squaxin Island Tribe unpublished data from station Mill 3 (at Storybrook Bridge) show a 7-data continuous measurements collected in 2000 and 23.57 degrees C from continuous measurements.				empera	ture of 23.70 degre	es C from	
14	39872 5	N	OAKLAND BAY	390KRD	471230	0F2	47.25	5 123.025	Fecal Coliform	Water
			Department of Health unpublished data collected from station OAKLAND BAY-129 show a gpercentile criterion with the last sample collected on 6-Dec-2001.	eometric m	ean of 7 o	cfu/100	mL and	l 13.33% of samples	s exceed the	
14	12582 5	N	PERRY CREEK	FE29VY	0.21	18N	03W	13	Fecal Coliform	Water
			Batts, D. and K. Seiders, (2003), station PRY shows that 6 of 41 samples (14.6%) collected	in 2001 exc	eed the p	ercenti	le crite	rion.		
			National Monitoring Program unpublished data (submitted by David Batts on 13 December 2 the wet seasons from 1992-2002.	2002) show	no excurs	sions be	eyond t	he the geometric mo	ean criterion in	
			National Monitoring Program unpublished data (submitted by David Batts on 13 December 2 seasons from 2001-2002.	2002) show	excursior	s beyo	nd the	the percentile criteri	on in the wet	
			National Monitoring Program unpublished data (submitted by David Batts on 13 December 2 the dry seasons from 1999-2002.	2002) show	no excurs	sions be	eyond t	he the geometric mo	ean criterion in	
			National Monitoring Program unpublished data (submitted by David Batts on 13 December 2 seasons from 1999-2002.	2002) show	excursior	is beyo	nd the	the percentile criteri	on in the dry	
14	41876 5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Dissolved oxygen	Water
			Batts, D. and K. Seiders, (2003), station PIE shows 1 sample exceeded the criterion in year	1993 and 2	samples	exceed	led the	criterion in year 199	99.	
14	40958 5	Υ	PIERRE CREEK	UNK000	0	00U	000U	00	Fecal Coliform	Water
			Seiders and Cusimano, 1996, excursions beyond both fecal coliform criteria from 1992 to 19	96 near the	mouth of	f Pierre	Creek			
14	40959 5	Υ	PIERRE CREEK	UNK000	0	00U	000U	00	Fecal Coliform	Water
		-	Seiders, 1995, excursions beyond the criterion during 1992 to 1994 near the mouth of Pierre		·					
11	41944 5	N	PIERRE CREEK	HINKOOO	0	40N	03/4/	27	Eggal Coliform	Water.
14	41944 5	IA	Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 132.5 exceeds the percentile criterion.	UNK000 e criterion a	0 and that 1	_	03W sample		Fecal Coliform n 2001 exceed	Water

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WRIA	Listing ID Categor	y 98 List	Waterbody Name Basis	Location I	nformation	n		Parameter	Remarks	Medium
14	41945 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 78.3 exceeds the the percentile criterion.	UNK000 e criterion ar	-		03W imples	Fecal Colifor 1997 exceed	rm	Water
14	41946 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 59.9 exceeds the the percentile criterion.	UNK000 e criterion ar			03W imples	Fecal Colifor 1998 exceed	rm	Water
14	41947 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 141.1 exceeds the exceed the percentile criterion.	UNK000 ne criterion a	-	_	03W sampl	Fecal Colifo	rm	Water
14	41948 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 269.7 exceeds the exceed the percentile criterion.	UNK000 ne criterion a	-	_	03W sampl	Fecal Colifo	rm	Water
14	41949 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 71.7 exceeds the the percentile criterion.	UNK000 e criterion ar	•	-	03W imples	Fecal Colifor 2000 exceed	rm	Water
14	41950 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 96.0 exceeds the the percentile criterion.	UNK000 e criterion ar	-	-	03W sample	Fecal Coliforn 1999 exceed		Water
14	41951 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 128.0 exceeds the exceed the percentile criterion.	UNK000 ne criterion a	-	_	03W sampl	Fecal Colifo	rm	Water
14	41952 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows that 5 of 20 samples (25%) collected in	UNK000 1993 exceed	-	-	03W criterio	Fecal Colifor	rm	Water
14	41953 5	N	PIERRE CREEK Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 169.0 exceeds the percentile criterion.	UNK000 ne criterion a	-	_	03W imples	Fecal Colifor 1992 exceed	rm	Water

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformatic	n			Parameter Remarks	Medium
14	41954	5	N	PIERRE CREEK	UNK000	0	19N	03W	27	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 51.5 exceeds the the percentile criterion.	criterion a	nd that 7	of 24 sa	amples	s (29.2%) collected in	n 2002 exceed	
14	40957	5	Υ	PIERRE CREEK Seiders and Cusimano, 1996, 4 excursions beyond the criteria out of 18 samples (22%) from	UNK000	_	00U			рН	Water
				Seiders and Cusimano, 1996, 4 excursions beyond the chiena out of 16 samples (22%) from	11 1992 10 1	996 near	the mc	outri oi	Pierre Creek.		
14	41468	5	N	SCHNEIDER CREEK	ER21HD		-	03W		Dissolved oxygen	Water
				Batts, D. and K. Seiders, (2003), station SHN shows 1 sample exceeded the criterion in yea	r 1993 and	4 sample	s excee	eded th	ne criterion in year 1	999.	
14	12583	5	N	SCHNEIDER CREEK	ER21HD	0.339	19N	03W	33	Fecal Coliform	Water
				Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 24 samples (4.2%) collected in	n 2002 exce	ed the pe	ercentile	e crite	ion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 15 of 42 samples (35.7%) collected	d in 2001 ex	ceed the	percer	ntile cri	terion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 40 samples (5%) collected in 2	2000 excee	d the per	centile (criterio	n.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 4 of 40 samples (10%) collected in	1999 exce	ed the pe	rcentile	criteri	on.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 28 samples (17.9%) collected	in 1998 exc	eed the	percent	ile crite	erion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 21 samples (4.7%) collected in	n 1997 exce	ed the pe	ercentile	e crite	rion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in	n 1996 exce	ed the pe	ercentile	e crite	rion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in	n 1995 exce	ed the pe	ercentile	e crite	ion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 29 samples (17.2%) collected	in 1994 exc	ceed the p	percent	ile crite	erion.		
				Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 22 samples (9.1%) collected in	n 1993 exce	ed the pe	ercentile	e crite	rion.		

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2001.

Batts, D. and K. Seiders, (2003), station SHN shows the geometric mean of 73.3 exceeds the criterion and that 3 of 8 samples (37.5%) collected in 1992 exceed

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in

the percentile criterion.

the wet seasons from 1992-2002.

the dry seasons from 2000-2001.

seasons from 1992-1993, 1994-1995, 1998-1999, and 2000-2001.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n				Parameter		Medium
				Basis								Remarks	
14	6660	5	Y	SHELTON CREEK	JZ99VQ	0.032	20N	03W	20		Fecal Colifor	m	Water
				Michaud, 1988. samples taken at station S(0.2) between 10/7/1987 and 2/9/1988 show a geo	ometric me	an of 147	and 4 o	out of 8	samples	s exceed the	criteria.		le in hardcopy format. The water cCategory 5 based on the 1998
14	6658	5	Υ	SHELTON HARBOR (INNER)	390KRD	471230	0A9	47.205	5 12	23.095	Fecal Colifor	m	Water
				Michaud, 1987. samples taken at station 34 between 2/25/1987 and 5/27/1987 have a geometric description of the station of the	netric mean	of 280 w	ith 4 ou	t of 6 sa	amples e	exceeding th	e critria.		le in hardcopy format. The water Category 5 based on the 1998
14	7601	5	Υ	SKOOKUM CREEK	BI64LF	1.706	19N	03W	19		Fecal Colifor	m	Water
				Data collected by the Squaxin Island Tribe (submitted by Jim Albrecht on 10/31/97) show 2 e 101 on 9/15/95 and 4/24/96.	xcursions l	peyond th	ie uppei	r criterio	on at a s	tation just w	est of Hwy		were previously submitted only in e water segment is listed as Category 5
				Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a 2001. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) s 2000.	geometric	mean of	14 cfu/1	00mL o	out of 10	samples co	llected in	based of the 1990 (assessment.
14	23758	5	N	SKOOKUM CREEK	BI64LF	1.706	19N	03W	19		Temperature		Water
				Squaxin Island Tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a continuous measurements collected in 2002.	7-day mea	n of daily	/ maxim	um tem	perature	e of 17.93 de	egrees C from		
14	35987	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES	390KRD	471220		47.295		22.875	Bis(2- ethylhexyl)pl	hthalate	Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule tissue tissue tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes							5 muscle		
14	36025	5	N	SQUAXIN, PEALE, AND PICKERING PASSAGES	390KRD	471220	8J7	47.295	5 12	22.875	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule tissue tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Ple	e Criterion v uronectes v	was exce retulus) s	eded ir samples	a comp from st	posite o tation Pl	f more than s CKERNG.	5 muscle		
14	6965	5	N	SUNSET BEACH CREEK	NB28QT	0.067	22N	02W	12		Fecal Colifor	m	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station S6 between 8/1/90 and 8/1/91.	yond the c	riterion fo	r both tl	ne geom	netric m	ean and the	percentile		
14	6961	5	N	TWANOH CREEK	KH25TG	0	22N	02W	19		Fecal Colifor	m	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion fo S1 between 8/1/90 and 8/1/91.	r the geom	etric mea	n, but e	xceeds	the per	centile criteri	on at station		

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WRIA	Listing ID Cated	gory	98 List?	Waterbody Name	Location Information			Parameter		Medium				
				Basis									Remarks	
14	6964	5	N	TWANOH FALLS CREEK	HL04LK	0	2	22N	02W	V 21		Fecal Colifor	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station S2 between 8/1/90 and 8/1/91.	yond the o	criterio	n for b	oth th	ne ged	ometric m	ean and the	percentile		
14	40618	5	Υ	UNCLE JOHN CREEK	UNK000	0	O)0U	0000	U 00		Fecal Colifo	rm	Water
				Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 78 (RM 0.1) during 1988. There is no WASWIS ID for this stream. Chapman Cove. TRS=20N-03W-14.										
				Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 79 (RM 0.3) during 1988. Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 80 (RM 2.2) during 1988.									NS=2014-03W-14.	
14	6966	5	N	UNNAMED CREEK	PW17OV	0	2	22N	02W	V 12		Fecal Colifo	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S7 between 8/1/90 and 8/1/91.										
15	7604	5	Υ	ANNAPOLIS CREEK	CS87QP	1.4	2	24N	01E	36		Fecal Colifor	rm	Water
of				Bremerton-Kitsap Health District data shows 2 excursion beyond the upper criterion station APC	APO2 -(at	Hwy 1	60 cro	crossing	ig) on 4/29/9	4/29/92 aı	1/29/92 and 6/2/92		ANNAPOLIS CREE	EK has no WASWIS and is located west
Oi													KARCHER CREEK	Ckk
														were previously submitted only in e water segment is listed as Category 5 assessment.
15	38405	5	N	ANNAPOLIS CREEK	CS87QP	0	2	24N	01E	25		Fecal Colifo	rm	Water
of				Kitsap County unpublished data show a geometric mean of 297 cfu/100mL with 64% of the s	samples at	ove th	e perc	entile	crite	erion out o	f 11 sample	es collected in	ANNAPOLIS CREE	EK has no WASWIS and is located west
				2002 at station AP01.									KARCHER CREEK	⟨kk
15	42999	5	N	BALCH AND CORMORANT PASSAGES 390KRD 47122C6B2 47.215 122.625 Disse					Dissolved or	xygen	Water			
				South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration samples, submitted by Jan Newton, Ecology on 3/8/2004), station 68 shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); and at at least one excursion beyond the criterion in 2002 (sample collected on 10/3/2002).										

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WRIA I	isting ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
15	7605	5	Y	BARKER CREEK Grellner, 1991., exceeds the percentile criterion at station BA01 between 12/89 and 2/91.	IQ67FF	0.018	25N	01E	22	Fecal Colifor	rm Water
				Grellner, 1991., exceeds both criteria at station BA02 between 12/89 and 2/91.							
				Grellner, 1991., exceeds the percentile criterion at station BA03 between 12/89 and 2/91.							
				Kitsap County unpublished data show a geometric mean of 121 cfu/100mL with 46% of the samples above the percentile criterion out of 13 samples collected in 2002 at station BK01.							
				Kitsap County unpublished data show a geometric mean of 108 cfu/100mL with 33% of the samples above the percentile criterion out of 12 samples collected in 2002 at station BK02.							
15	7608	5	Υ	BARKER CREEK	IQ67FF	2.169	25N	01E	15	Fecal Colifor	rm Water
				Grellner, 1991., exceeds both criteria at station BA04 between 12/89 and 2/91.							
				Kitsap County unpublished data show a geometric mean of 55 cfu/100mL with 23% of the sa 2002 at station BK03.	amples abo	ve the per	centile	criterio	on out of 13 samples	s collected in	
15	7610	5	Υ	BEAVER CREEK	LS41EH	0	24N	02E	16	Fecal Colifor	rm Water
				Bremerton-Kitsap Health District data show excursions beyond the criterion at station BV01 Kitsap County unpublished data show a geometric mean of 169 cfu/100mL with 80% of the in 2002 at station BV01.							Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	7611	5	Υ	BEAVER CREEK	LS41EH	3.438	24N	025	20	Food Colifor	rm Water
13	7011	J	•	Bremerton-Kitsap Health District data show excursions beyond the criterion at station BV02				-	_	Fecal Colifor	TRS was 24N-02E-20 on 1998 listkk
											Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
15	7613	5	Υ	BIG BEEF CREEK	FB10GH	6.075	24N	01W	04	Temperature	e Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 22 excursio RM 5.0 between 1992 and 1994.	ns beyond	the criterio	on out o	of 22 sa	amples (100%) at Bi	g Beef Creek	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	Information	on			Parameter	Medium Remarks
				Dasis							Remarks
15	21916	5	N	BIG BEEF CREEK	FB10GH	8.145	24N	01W	05	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maxim 2002 at NW Holly Rd.							
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily may 1996-1997 and 2001-2002 below Lake Symington.						, ,	pe e
				Kitsap County unpublished data show excursions beyond the criterion in measurements coll	ected in 19	96-2001	at statio	on BB0	2.		
				Kitsap County unpublished data show no excursions beyond the criterion in measurements	collected in	1996-20	01 at st	ation E	3B03.		
15	21918	5	Y	BIG BEEF CREEK	FB10GH	0.195	25N	01W	1 22	Temperature	e Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements. Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of da in 1996-1997 and 2001-2002 at UW Research Station.							
				Summers (2001) station SRIW1501 (WATER QUALITY AT BBC UW GRAVEL RD) shows 10/00 - 09/01.	o excursio	ns beyor	nd the c	riterion	out of 9 samples c	ollected betwee	n
15	21919	5	N	BIG BEEF CREEK	FB10GH	3.737	25N	01W	34	Temperature	e Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements shows excursions beyond the criterion from the annual 7-day mean of daily maximum temp 2002 at Kidhaven Ln.							
15	38444	5	N	BIG SCANDIA CREEK	CC82SQ	0.003	26N	01E	27	Fecal Colifo	rm Water
				Kitsap County unpublished data show a geometric mean of 28 cfu/100mL with 20% of the sa 2002 at station BS01.	amples abo	ve the pe	ercentile	e criteri	on out of 10 sample	es collected in	
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 crossing) show a geometric mean of 63 cfu/100mL from samples collected in 2001-2002.	002) from st	tation LBI	NS-36 (Big Sc	andia Creek @ Sca	ndia Road	
15	23693	5	N	BJORGEN CREEK	IS22QB	0.005	26N	01E	25	Fecal Colifo	rm Water
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 crossing (access @ Lemolo Store)) show a geometric mean of 147 cfu/100mL from samples				Bjorge	n Creek @ Lemolo :	Shore Drive	
15	7615	5	Υ	BLACKJACK CREEK	LK41ZU	0.578	24N	01E	26	Fecal Colifo	rm Water
				Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ01 (5/20/93.	(mouth off N	Maple Av	e above	e tidal i	nfluence) on 4/30/92	2, 6/1/92, and	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name	Location I	nformati	on			Parameter		Medium	
				Basis							Remarks		
15	7616	5	Υ	BLACKJACK CREEK	LK41ZU	1.085	24N	01E	35	Fecal Colifo	rm	Water	
				Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ02 (at Tremont	road) c	n 4/29/9	92, and	d 6/2/92.			were previously submitted only in the water segment is listed as Category 5 assessment.	
15	7617	5	Υ	BLACKJACK CREEK	LK41ZU	4.797	23N	01E	11	Fecal Colifo	rm	Water	
				Bremerton-Kitsap Health District data show excursions beyond the criterion at station BJ03 (at Sedwick	road) c	n 4/29/9	92, and	d 6/2/92.			were previously submitted only in se water segment is listed as Category 5	
				Kitsap County unpublished data show a geometric mean of 42 cfu/100mL with 18% of the sa 2002 at station BJ03.	amples abo	ve the p	ercentile	e criteri	on out of 11 sample	es collected in	based on the 1998		
15	7618	5	Υ	BLACKJACK CREEK	LK41ZU	0.018	24N	01E	25	Fecal Colifo	rm	Water	
				Bremerton-Kitsap Health District data show excursions beyond the criterion at station SQ01	(on Square	Creek r	ear the	mouth) on 4/30/92, and 6	/2/92.		were previously submitted only in	
				Kitsap County unpublished data show a geometric mean of 65 cfu/100mL with 18% of the sa 2002 at station BJ01.	amples abo	ve the p	ercentile	e criteri	on out of 11 sample	es collected in	hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.		
15	38460	5	N	BOYCE CREEK	ED35FX	0	25N	02W	34	Fecal Colifo	rm	Water	
				Kitsap County unpublished data show a geometric mean of 12 cfu/100mL with 25% of the sa 2002 at station BY01.	amples abo	ve the p	ercentile	e criteri	on out of 8 samples	collected in			
15	38475	5	N	BURLEY CREEK	NQ77DR	6.267	23N	01E	24	Dissolved o	xygen	Water	
				Kitsap County unpublished data show excursions beyond the criterion in measurements colle	ected in 19	96-2000	at statio	on BL0	6.				
15	38479	5	N	CARPENTER CREEK	LJ90XO	0.04	27N	02E	26	Dissolved o	vvaen	Water	
.0	00410	Ü	.,	Kitsap County unpublished data show excursions beyond the criterion in measurements colle				UZL	20	Dissolved	xygen	valor	
				Stillwaters Environmental Education Center unpublished data show excursions beyond the c	riterion fror	n meası	ırement	s collec	cted in 2001 and 200)2.			
15	36192	5	N	CARPENTER CREEK	LJ90XO	0.04	27N	02E	26	Fecal Colifo	rm	Water	
				Stillwaters Environmental Education Center unpublished data show excursions beyond the p	ercentile c	iterion f	rom 9 sa	amples	collected in 2002.				
				Stillwaters Environmental Education Center unpublished data show no excursions beyond the in 2001 and 2002.	ne geometri	c mean	and the	percer	ntile criterion from sa	mples collected	l		

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Kitsap County unpublished data show a geometric mean of 40 cfu/100mL with 27% of the samples above the percentile criterion out of 11 samples collected in 2002.

WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location Ir	nformation	n			Parameter	Remarks	Medium
15	36197	5	N	CARPENTER CREEK Stillwaters Environmental Education Center unpublished data show excursions beyond both to collected in 2001 and 2002.	PS91TZ the geomet	0.08 ric mean		02E 2		Fecal Colifo samples	rm	Water
15	38482	5	N	CARPENTER CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements colle Stillwaters Environmental Education Center unpublished data show no excursions beyond the			and 200			Temperature	е	Water
15 4/2005)	10229	5	Y	CARR INLET Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station CRR001 (Carr Inlet - Off G samples collected between 1993-2000	390KRD reen Point)	47122C shows 20	-	47.275 sions be	122.705 yond the criterio	Dissolved o ns out of 48	This listing was rev natural conditions, sources appear to o	Water lewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This t on Category 5 (Grantham memo,
15 4/2005)	43000	5	N	CARR INLET South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration sam shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); a collected on 10/3/2002).			an New				This listing was rev natural conditions, sources appear to o	Water lewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This t on Category 5 (Grantham memo,
15 4/2005)	43001	5	N	CARR INLET South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration sam shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); a collected on 10/3/2002).			an New				This listing was rev natural conditions, sources appear to o	Water sewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This t on Category 5 (Grantham memo,
15 4/2005)	43002	5	N	CARR INLET South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration sam shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); a collected on 10/3/2002).			an New				This listing was rev natural conditions, sources appear to o	Water lewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This t on Category 5 (Grantham memo,

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformation			Parameter		Medium
				Basis						Remarks	
15	43003	5	N	CARR INLET	390KRD	47122D6D9	47.335	122.695	Dissolved of	xygen	Water
				South Puget Sound Area Synthesis Model (SPASM) Water Quality Study (D.O. Titration san shows at least one excursion beyond the criterion in 2001 (sample collected on 9/27/2001); a collected on 10/3/2002).						natural conditions, sources appear to d	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This it on Category 5 (Grantham memo,
4/2005)										Ü	
15	6968	5	Υ	CARR INLET	390KRD	47122C7G4	47.265	122.745	Fecal Colifo	rm	Water
				Sandison and Hanowell, 1999. data were submitted only in hardcopy form that show numer collected from 1996-1998. Tacoma-Pierce County Health department unpublished data (su not exceed the criterion, but the percentile criterion was exceeded on 29-Jun-89 and 23-Oct-	bmitted by	Ray Hanowell or	n 8/28/91) sl	now the geome	etric mean did		
15	36343	5	N	CARR INLET	390KRD	47122C6B2	47.215	122.625	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rultissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Ple					n 5 muscle		
15	36237	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122B7J9	47.195	122.795	Bis(2- ethylhexyl)p	ohthalate	Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rultissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from sta			n a composi	te of more thar			
15	6951	5	Υ	CASE INLET AND DANA PASSAGE	390KRD	47122D8H3	47.375	122.835	Fecal Colifo	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M11 between 8/1/90 and 8/1/91.;	yond the cr	iterion for both t	he geometri	c mean and the	e percentile		
15	6952	5	Υ	CASE INLET AND DANA PASSAGE	390KRD	47122E8A1	47.405	122.815	Fecal Colifo	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M3 between 8/1/90 and 8/1/91.;	yond the cr	iterion for both t	he geometri	c mean and the	e percentile		
15	6953	5	Υ	CASE INLET AND DANA PASSAGE	390KRD	47122D8I2	47.385	122.825	Fecal Colifo	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M8 between 8/1/90 and 8/1/91.;	yond the cr	iterion for both t	he geometri	c mean and the	e percentile		

Department of Health unpublished data collected from station NORTH BAY-7 show a geometric mean of 10 cfu/100mL and 16.6666666666667% of samples exceed the percentile criterion with the last sample collected on 10-Dec-2001.

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location I	nformation			Parameter	Medium Remarks
15	6954	5	Y	CASE INLET AND DANA PASSAGE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at stations M9 and M10 between 8/1/90 and 8/1/91.; Department of Health unpublished data collected from station NORTH BAY-549 show a geo	eyond the cr		J		•	rm Water
				percentile criterion with the last sample collected on 10-Dec-2001. Department of Health unpublished data collected from station NORTH BAY-550 show a geopercentile criterion with the last sample collected on 10-Dec-2001.				·		
15	6955	5	Υ	CASE INLET AND DANA PASSAGE		47122E8A2	47.405	122.825	Fecal Colifo	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at stations M4, M5, M6, M7 between 8/1/90 and 8/1/91.; Department of Health unpublished data collected from station NORTH BAY-575 show a geo			-		•	
				percentile criterion with the last sample collected on 10-Dec-2001.						
15	6957	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122D8G0	47.365	122.805	Fecal Colifo	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for M2 between 8/1/90 and 8/1/91.;	or the geom	etric mean, but	exceeds the	percentile crite	erion at station	
15	40177	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122D7G8	47.365	122.785	Fecal Colifo	rm Water
				Department of Health unpublished data collected from station ROCKY BAY-22 show a geor exceed the percentile criterion with the last sample collected on 10-Oct-2001.	netric mean	of 7 cfu/100mL	and 13.3333	3333333333%	of samples	
				Department of Health unpublished data collected from station ROCKY BAY-21 show a geor exceed the percentile criterion with the last sample collected on 10-Oct-2001.	netric mean	of 7 cfu/100mL	and 6.66666	6666666667%	of samples	
				Department of Health unpublished data collected from station ROCKY BAY-25 show a geor exceed the percentile criterion with the last sample collected on 10-Oct-2001.	netric mean	of 5 cfu/100mL	and 6.66666	6666666667%	of samples	
15	36342	5	N	CASE INLET AND DANA PASSAGE	390KRD	47122B7J9	47.195	122.795	Total PCBs	Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Ru tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples			in a composi	te of more thar	n 5 muscle	
15	38486	5	N	CHICO CREEK	GE63UG	0.023 24N	01E 05		Temperature	e Water
				Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 21.7	from contir	nuous measurer	ments collect	ed in 2002.		Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing ID 40749 (cat 5)kk
				Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 18.5	from contin	nuous measurer	ments collect	ed in 2002.		Consolidation with Listing ID 40/49 (Cat 3)KK

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Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station CH01.

WRIA	Listing ID Cate	gory (98 List?	Waterbody Name Basis	Location Ir	nformation	n			Parameter Remarks	Medium
15	40750	5	N	CHICO CREEK Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 18.2	GE63UG from contin			01E ents co		Temperature	Water
15	38495	5	N	CLEAR CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements colle	TF15AC ected in 199	1.784 6, 1997 a	-	01E)1 at st		Dissolved oxygen	Water
15	7623	5	Y	CLEAR CREEK Grellner, 1991., exceeds both criteria at station CC01 between 12/89 and 2/91. Grellner, 1991., exceeds both criteria at station CC02 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 107 cfu/100mL with 38% of the s 2002 at station CC01. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 15C070 (CLEAR CR @ SILVER that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1951 15C070 (CLEAR CR @ SILVERDALE) shows a geometric mean of 81 does not exceed the from 9 samples collected during 1998.	DALE) sho	ows a geo k (2001)	ercentile ometric Dept. o	mean of Ecolo	ion out of 13 sample of 156 exceeds the o ogy Ambient Monitor	criterion and ing Station	Water
15 15	7625 7626	5	Y	CLEAR CREEK Grellner, 1991., exceeds both criteria at station CC03 between 12/89 and 2/91. Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 27% of the sa 2002 at station CC04. CLEAR CREEK	TF15AC imples abov	re the per	centile		on out of 11 samples	Fecal Coliform s collected in Fecal Coliform	Water
13	1020	J	ſ	Grellner, 1991., exceeds both criteria at station WF01 between 12/89 and 2/91. Grellner, 1991., exceeds the percentile criterion at station BG01 between 12/89 and 2/91.	DISZSL	U	ZƏN	01E	US	recai Comorm	Water
15	7627	5	Y	CLEAR CREEK Grellner, 1991., exceeds both criteria at station CC04 between 12/89 and 2/91. Grellner, 1991., exceeds the percentile criterion at station CC05 between 12/89 and 2/91.	TF15AC	3.422	25N	01E	04	Fecal Coliform	Water

Grellner, 1991., exceeds the percentile criterion at station KT01 between 12/89 and 2/91.

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Kitsap County unpublished data show a geometric mean of 47 cfu/100mL with 15% of the samples above the percentile criterion out of 13 samples collected in 2002 at station CC05.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location In	nformatio	n			Parameter		Medium
				Basis							Remarks	
15	7628	5	Y	CLEAR CREEK Grellner, 1991., exceeds both criteria at station RT01 between 12/89 and 2/91.	MV26EP	0	25N	01E	09	Fecal Colifor	rm	Water
15	7632	5	Y	CLEAR CREEK Grellner, 1991., exceeds the percentile criterion at station WF02 between 12/89 and 2/91.	JH59OI	0.271	25N	01E	05	Fecal Colifor	rm	Water
15	38931	5	N	CLEAR CREEK Kitsap County unpublished data show a geometric mean of 33 cfu/100mL with 23% of the sa 2002 at station WC01.	DT92SL amples abov	1.064 /e the per	_	01E criterio		Fecal Colifor		Water LEAR CREEK, W.F. per Kitsap County on WC01) -kk
15	17161	5	N	CLEAR CREEK Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill CLRCAM (CLEAR CREEK AT SILVERDALE). Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a composite of 5 fill CLRCAM (CLEAR CREEK AT SILVERDALE).			clarkii		ed on 9/21/1995 at st			Tissue
15	38519	5	N	COULTER CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements coll	PT50XZ ected in 199	8.866 96-2001.	23N	01W	24	Dissolved or	xygen	Water
15	38521	5	N	COULTER CREEK Kitsap County unpublished data show 5 excursions beyond the criterion out of 18 measurements	PT50XZ nents collect	8.866 ted in 199		01W	24	рН	Low pH	Water
15	38523	5	N	CURLEY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements coll	VZ64PA ected in 199	0.032 96, 1997 a		02E 01 at st	_	Dissolved or	kygen	Water
15	38524	5	N	CURLEY CREEK Kitsap County unpublished data show a geometric mean of 35 cfu/100mL with 27% of the sa 2002 at station CR01.	VZ64PA amples abov	0.032 ve the per	_	02E criterio	-	Fecal Colifor	rm	Water
15	38526	5	N	CURLEY CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements coll	VZ64PA ected in 199	0.032 96, 1997,		02E 1999, a	-	Temperature R01.	The measured excucondition due to lake	Water ursions beyond the criterion are a natural se outflow temperture per the 3 January lim Zimny of Kitsap County.

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Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).

Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 22.75 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 20.11 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 20.81 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.93 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.56 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.84 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station DI2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.56 degrees C from continuous measurements collected in 1999.

Port Blakely Tree Farms unpublished data from station DI3 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

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VVIXIA	Listing ID Oat	cgory	JU LIST:	Waterbody Name	Location	ilomation			Tarameter		McGiain
				Basis						Remarks	
15	35304	5	N	DICKERSON CREEK	NE95KG	2.647 241	N 01W 13		Temperature	•	Water
				Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on of 19.65 degrees C from continuous measurements collected in 2002. Port Blakely Tree Fa 10 December 2002) shows a 7-day mean of daily maximum values of 19.82 degrees C from sunpublished data from station DI6 (submitted by Blake Murden on 10 December 20 from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished da 2002) shows a 7-day mean of daily maximum values of 18.72 degrees C from continuous measurements.	rms unpubliom continuou 22) shows a sta from stat easurement	shed data from us measureme 7-day mean c ion DI6 (submi s collected in	n station DI6 (ents collected of daily maximatited by Blake 1999.	submitted by Bl in 2001. Port B um values of 19 Murden on 10	lake Murden on slakely Tree 9.98 degrees C Decemeber		
				Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on of 15.43 degrees C from continuous measurements collected in 2002. Port Blakely Tree Fa 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.23 degrees C fro Farms unpublished data from station DI5 (submitted by Blake Murden on 10 Decemeber 20 from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished day 2002) shows a 7-day mean of daily maximum values of 15.09 degrees C from continuous measurements.	rms unpubliom continuou D2) shows a sta from stat	shed data from us measureme 7-day mean c ion DI5 (submi	n station DI5 (ents collected of daily maxim itted by Blake	submitted by Bl in 2001. Port B um values of 15	lake Murden on lakely Tree 5.94 degrees C		
				Port Blakely Tree Farms unpublished data from station DI6 (submitted by Blake Murden on measurements collected in 2001-2002.	10 Decemet	oer 2002) shov	vs no excursio	ons beyond the	criterion from		
				Port Blakely Tree Farms unpublished data from station DI5 (submitted by Blake Murden on measurements collected in 2001-2002.	10 Decemet	oer 2002) shov	vs no excursio	ons beyond the	criterion from		
15	38539	5	N	DOGFISH CREEK, E.F.	AE23TW		N 01E 11		Dissolved ox	xygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements col	ected in 199	96, 1997, 1998	s, and 1999 at	station ED01.			
15	8699	5	Y	DYES INLET AND PORT WASHINGTON NARROWS		47122F6I8	47.585	122.685	Mercury	5.6	Tissue
assessm	nent.			EA Engineering Science and Technology, 1995, show excursions beyond the criterion in cr	ad tissue sa	mpies.					n the Administartive Record. The water Category 5 based on the 1998
15	8719	5	Υ	EAGLE HARBOR Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	BENZO(A)AN	NTHRACENE	Tissue
15	8718	5	Y	EAGLE HARBOR Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Benzo(a)pyro	ene	Tissue
15	8721	5	Y	EAGLE HARBOR Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4E7	47.645	122.475	Benzo(b)fluo	pranthene	Tissue

Location Information

Medium

Parameter

WRIA Listing ID Category 98 List? Waterbody Name

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Information				Parameter Remarks	Medium	
15	8722	5	Y	EAGLE HARBOR Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4	E7 4	47.645	122.475	Benzo(k)fluoranthene	Tissue
15	8720	5	Y	EAGLE HARBOR Yake, et al, 1984. Excursions beyond the criterion in edible shellfish tissue samples.	390KRD	47122G4	E7 4	47.645	122.475	Chrysene	Tissue
15	8723	5	Υ	EAGLE HARBOR	390KRD	47122G4	E7 4	47.645	122.475	Dibenzo(a,h)anthracen e	Tissue
				Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.							
15	8724	5	Υ	EAGLE HARBOR	390KRD	47122G4	E7 4	47.645	122.475	Indeno(1,2,3-cd)pyrene	Tissue
				Yake, et al. 1984., excursions beyond the criterion in edible shellfish tissue samples.							
15	8717	5	Υ	EAGLE HARBOR	390KRD	47122G4	E7 4	47.645	122.475	Total PCBs	Tissue
				Yake, et al. 1984. excursions beyond the criterion in edible shellfish tissue samples.							
15	21914	5	N	GAMBLE CREEK	PQ58EB	2.181	27N (02E 31		Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements excursions beyond the criterion from the annual 7-day mean of daily maximum temperature Rd.							
15	21915	5	N	GAMBLE CREEK	PQ58EB	3.766	26N (02E 06		Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements beyond the criterion from the annual 7-day mean of daily maximum temperature from continuous temperature from						ws excursions	
				Labbe et al. 2002, shows no excursions beyond the criterion from instanatenous measurements shows no excursions beyond the criterion from the annual 7-day mean of daily maximum teres 2001-2002 at Rova Rd.							
				Kitsap County unpublished data show no excursions beyond the criterion in measurements of	collected in	1996-2001	at statio	on PG03.			
15	21917	5	Υ	GAMBLE CREEK	PQ58EB	0.249	27N (02E 29		Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements shows excursions beyond the criterion from the annual 7-day mean of daily maximum tempor 2002 at Bond Rd/SR 307.							

Kitsap County unpublished data show no excursions beyond the criterion in measurements collected in 1996-2001 at station PG02.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformation			Parameter	Medium
				Basis						Remarks
15	10247	5	Υ	GREAT BEND/LYNCH COVE	390KRD	47122D9J2	47.395	122.925	Dissolved or	xygen Water
4/2005)				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB007 (Hood Canal - Ly samples collected between 1993-2000	rnch Cove) s	shows 52 excurs	sions beyond	the criterions	out of 57	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,
====,										
15	6937	5	Y	GREAT BEND/LYNCH COVE	390KRD	47122E8E4	47.445	122.845	Fecal Colifor	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M1 between 8/1/90 and 8/1/91.	yond the cr	terion for both th	ne geometric	mean and the	percentile	
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M2 between 8/1/90 and 8/1/91.	eyond the c	riterion for both t	he geometri	c mean and the	e percentile	
15	6939	5	Υ	GREAT BEND/LYNCH COVE	390KRD	47122E8D4	47.435	122.845	Fecal Colifo	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M3 between 8/1/90 and 8/1/91.	eyond the o	riterion for both	the geometr	ic mean and th	e percentile	
15	6940	5	Υ	GREAT BEND/LYNCH COVE	390KRD	47122E8C7	47.425	122.875	Fecal Colifor	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M5 between 8/1/90 and 8/1/91.	eyond the c	iterion for both t	he geometri	c mean and the	e percentile	
				Department of Health unpublished data collected from station HOOD CANAL #9-268 show a samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	a geometric	mean of 20 cfu/	100mL and 3	3.3333333333	3333% of	
				Department of Health unpublished data collected from station HOOD CANAL #9-269 show a samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	a geometric	mean of 4 cfu/10	00mL and 3.	333333333333	333% of	
				Department of Health unpublished data collected from station HOOD CANAL #9-284 show a samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.	a geometric	mean of 11 cfu/	100mL and 2	26.6666666666	6667% of	
15	6941	5	Υ	GREAT BEND/LYNCH COVE	390KRD	47122E9B0	47.415	122.905	Fecal Colifor	rm Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M7 between 8/1/90 and 8/1/91.	eyond the c	riterion for both t	he geometri	c mean and the	e percentile	
				Department of Health unpublished data collected from station HOOD CANAL #8-259 show a	geometric	mean of 2 cfu/10	00mL and 3.	333333333333	333% of	

Department of Health unpublished data collected from station HOOD CANAL #9-276 show a geometric mean of 4 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.

samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.

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WRIA	Listing ID Catego	ory 98	8 List?	Waterbody Name Basis	Location Ir	nformation				Parameter	Remarks	Medium
15	6942 5	5		GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M8 between 8/1/90 and 8/1/91. Department of Health unpublished data collected from station HOOD CANAL #8-262 show a			ooth the g				rm	Water
15	40081 5	5	N	samples exceed the percentile criterion with the last sample collected on 14-Nov-2001. GREAT BEND/LYNCH COVE Department of Health unpublished data collected from station HOOD CANAL #9-283 show a percentile criterion with the last sample collected on 14-Nov-2001.	390KRD	47122E8	D6 47	.435	122.865	Fecal Colifo	rm	Water
15	40738 5	5		Department of Health unpublished data collected from station HOOD CANAL #9-285 show a percentile criterion with the last sample collected on 14-Nov-2001. GREAT BEND/LYNCH COVE Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station M6 between 8/1/90 and 8/1/91.	390KRD	47122E8	C7 47	.425	122.875	Fecal Colifo	rm	Water
15	7644 5	5	Υ	GREAT BEND/LYNCH COVE Mason County data (submitted by Wayne Clifford on 8/91) show 3 excursions out of 4 sample	390KRD les on 4 diffe	47122E8 erent days		.445 M1 bet	122.845 ween 8/1/90 and	pH d 8/14/91.		Water
15	38619 5	5	N	GROVERS CREEK Kitsap County unpublished data show excursions beyond the criterion in measurements colle	QB02OV ected 1996-			E 04 1.		Dissolved o	xygen	Water
15	7645 5	5		GROVERS CREEK Forsyth, 1995., samples collected exceed both criteria at station GC01 between 1994 and Forsyth, 1995., samples collected exceed both criteria at station GC02 between 1994 and Kitsap County unpublished data show a geometric mean of 55 cfu/100mL with 33% of the same	d 1995.			E 04	t of 12 samples	Fecal Colifo	vrm	Water
15	7646 5	5	Y	2002 at station GC01. GROVERS CREEK Forsyth, 1995., samples collected exceed both criteria at station GC04 between 1994 and	HS96YA d 1995.	0	27N 02	E 34		Fecal Colifo	rm	Water
15	7647 5	5	Y	GROVERS CREEK Forsyth, 1995., samples collected exceed both criteria at station GC05 between 1994 and	KR91BN 1995.	0	27N 02	E 34		Fecal Colifo	rm	Water

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WRIA	Listing ID Catego	y 98 List?	Waterbody Name Basis	Location Ir	nformation			Parameter	Medium Remarks
15	36344 5	N	HALE PASSAGE (SOUTH) Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rul tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Ple					Total PCBs 5 muscle	Tissue
15	38380 5	N	HOOD CANAL Kitsap County unpublished data at station HC25 (NEARSHORE N OF VINLAND) show exc	390KRD ursions beyo	47122H6H9 ond the criterion	47.775 in measure	122.695 ments collected	Dissolved on in 1998.	This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005) The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.
15	38384 5	N	HOOD CANAL Kitsap County unpublished data at station HC28 (NEARSHORE LOFALL CR) show excursi	390KRD ons beyond	47122I6B5 the criterion in r	47.815 measuremer	122.655 hts collected in 1	Dissolved ox	This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005) The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.
15	38630 5	N	HOOD CANAL Kitsap County unpublished data at station HC01 (SOUTH END MID CHANNEL) show excu	390KRD rsions beyor	47123E0I4 nd the criterion in	47.485 n measurem	123.045 ents collected in	Dissolved o n 1998.	xygen Water This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions.

This listing was reveiwed by Ecology Marine Unit staff who recommended, based on the other available data from Hood Canal, that this listing does not represent natural conditions. We therefore recommend that these listings be revised to category 5 (Grantham memo, 4/2005)

The measured excursions beyond the criterion are a natural condition per the 3 January 2003 submittal by Jim Zimny of Kitsap County.

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WRIA	Listing ID Cated	gory 9	98 List?	Waterbody Name Location In	formation			Parameter		Medium
				Basis					Remarks	
15	38638	5	N	HOOD CANAL 390KRD	47122F9G7	47.565	122.975	Dissolved ox	ygen	Water
				Kitsap County unpublished data at station HC04 (HOLLY COVE - NEARSHORE TO HOLLY CR) show collected in 1998. Kitsap County unpublished data at station HC05 (ANDERSON COVE - NEARSHORE TO BIG ANDERSOn measurements collected in 1996-2001.	·				recommended, bas Canal, that this listing	eiwed by Ecology Marine Unit staff who ed on the other available data from Hooding does not represent natural conditions. Immend that these listings be revised to am memo, 4/2005)
										rsions beyond the criterion are a natural January 2003 submittal by Jim Zimny of
15	38790	5	N	HOOD CANAL 390KRD	47122G8E3	47.645	122.835	Dissolved ox	ygen	Water
				Kitsap County unpublished data at station HC14 (SEABECK BAY NEARSHORE SEABECK CR) show e in 2001.	xcursions beyor	nd the criteri	on in measurer	ments collected	recommended, bas Canal, that this listing	ed on the other available data from Hooding does not represent natural conditions. In mend that these listings be revised to
										ursions beyond the criterion are a natural January 2003 submittal by Jim Zimny of
15	40974	5	N	HOOD CANAL 390KRD	47123D0F2	47.355	123.025	Dissolved ox	xygen	Water
				Newton (2004), Hood Canal Study station SISTER shows 35 of 52 samples exceeded the criterion in year 2004.	ır 2003, and 13	of 23 sample	es exceeded the	e criterion in	natural conditions, sources appear to d	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ton Category 5 (Grantham memo,
4/2005)									-	
15	40975	5	N	HOOD CANAL 390KRD	47123D0H1	47.375	123.015	Dissolved ox	waan	Water
13	40373	J	14	Newton (2004), Hood Canal Study station SSTRN shows 17 of 34 samples exceeded the criterion in yea year 2004.					This listing was revinatural conditions, visources appear to conditions.	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This is on Category 5 (Grantham memo,
4/2005)									listing should be let	on category 5 (Grantham memo,
15	40991	5	N		47122E9A3	47.405	122.935	Dissolved ox	ygen	Water
4/2005)				Newton (2004), Hood Canal Study station LYNCHS shows 15 of 36 samples exceeded the criterion in ye year 2004.	ar 2003, and 6 (of 15 sample	es exceeded the	e criterion in	natural conditions, v sources appear to o	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This is on Category 5 (Grantham memo,
/										

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WRIA	Listing ID Categ	gory 9	98 List?	st? Waterbody Name Location Information Parameter Media Remarks	ium
15 4/2005)	40992	5	N	sources appear to contrib	
15 4/2005)	10271	5	N	sources appear to contrib	
15 4/2005)	40983	5	N	sources appear to contrib	
15 4/2005)	40984	5	N	year 2004. natural conditions, with the sources appear to contributions.	by Ecology Marine Unit staff for the conclusion that anthropogenic toute to the D.O. exceedances. This stategory 5 (Grantham memo,
15 4/2005)	10281	5	Y	natural conditions, with the sources appear to contributions.	
15 4/2005)	40981	5	N	sources appear to contrib	

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WRIA	Listing ID C	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
15	40986	5	N	HOOD CANAL (SOUTH)	390KRD	47123F	0E0	47.54	5 123.005	Dissolved o	xygen	Water
				Newton (2004), Hood Canal Study station HAMA shows 24 of 36 samples exceeded the crite 2004.	erion in yea	r 2003, aı	nd 6 of 9) samp	les exceeded the	criterion in year	natural conditions, sources appear to	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This it on Category 5 (Grantham memo,
4/2005)												
15	40987	5	N	HOOD CANAL (SOUTH)	390KRD	47123F	0D0	47.53	5 123.005	Dissolved o	xygen	Water
				Newton (2004), Hood Canal Study station HAMAE shows 13 of 26 samples exceeded the cri 2004.	terion in ye	ar 2003,	and 2 of	5 sam	ples exceeded th	e criterion in yea	natural conditions, sources appear to	iewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ft on Category 5 (Grantham memo,
4/2005)											-	
15	38654	5	N	HUGE CREEK	YV85GW	2.064	22N	01E	08	Dissolved o	xygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements college	ected 1996,	1997 an	d 1999 a	at static	on HG01.			
15	38658	5	N	ILLAHEE CREEK	BT04CA		25N		-	Dissolved of	xygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements colle	ected in 199	96, 1997 a	and 1999	9 at sta	ation IC01.			
15	38659	5	N	ILLAHEE CREEK	BT04CA		25N	-		Fecal Colifo	rm	Water
				Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 27% of the sa 2002 at station IC01.	mples abov	ve the per	centile o	criterio	n out of 11 samp	les collected in		
15	38663	5	N	JOHNSON CREEK	VD71BW	0.01	26N	01E	22	Fecal Colifo	rm	Water
				Kitsap County unpublished data show a geometric mean of 52 cfu/100mL with 45% of the sa 2002.	mples abov	ve the per	centile o	criterio	n out of 11 samp	les collected in		
15	38934	5	N	KARCHER CREEK	CS87QP	0	24N	01E	25	Fecal Colifo	rm	Water
				Kitsap County unpublished data show a geometric mean of 95 cfu/100mL with 27% of the sa 2002.	mples abov	ve the pe	centile o	criterio	n out of 11 sampl	es collected in	KARCHER CREEK	e change from WILSON CREEK to K on 01/24/05, still has bad WASWIS, NAPOLIS CREEKkk
											Name should be K	ARCHER CREEK per Kitsap County
Health												01) This listing was incorrectly cited as d 98 lists (confused with Wilson Creek).
kk											boning on the 50 and	a oo noto (oomasca with wilson ofeek).

kk

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location Ir	nformati	on			Parameter	Remarks	Medium
15 per	38667	5	N	KINMAN CREEK Kitsap County unpublished data show a geometric mean of 79 cfu/100mL with 25% of the sa 2002.	LU93MN amples abov	0.041 re the p		01E criterio		Fecal Colifor	Data is for KINMAN Kitsap Co Health (Water I CREEK, not JUMP OFF JOE CREEK station KN01) and was incorrectly Colville Fecal Coliform TMDL. Listing kk
15	38673	5	N	KITSAP CREEK Suquamish Tribe (2002) show the maximum 7-day mean of daily maximum values was 25.4 Kitsap County unpublished data show excursions beyond the criterion in measurements coll-			easurem		ollected in 2002.	Temperature	•	Water
15	42437	5	N	KITSAP LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Cutthroat trout fille	878IBO t samples co		01W 3 10/31/20			2,3,7,8-TCDE)	Tissue
15	7649	5	Y	KITSAP LAKE Completed Phase I State Clean Lakes Restoration Project in 1983 -Problems Encountered: transparency, aquatic macrophytes, fecal coliform. Parametrix, 1983.	878IBO Blue-green		01W 3 igh turbid		diment phosphorus i	Fecal Colifor	Control Measures F precipitation/inactiv management (septi development), aqua education.;	Water Proposed: Phosphorus Pation, dilution/flushing, watershed nutrient Proposed: Phosphorus
15	42170	5	N	KITSAP LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Cutthroat trout and	878IBO I Rainbow tr		01W 3		cted 10/31/2002.	Total PCBs		Tissue
15	6345	5	Y	KITSAP LAKE Completed Phase I State Clean Lakes Restoration Project in 1983 -Problems Encountered: transparency, aquatic macrophytes, fecal coliform. Parametrix, 1983. Kitsap County unpublished data show the summer mean epilimnetic total phosphorus conceriterion Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 30 distandards nutrient criterion for the Puget Lowlands Ecoregion.	ntration of 2	algae, ł	_ exceed	dity, se	water quality standar	ds nutrient	horus	Water
15	38919	5	N	KLEABAL CREEK Kitsap County unpublished data show a geometric mean of 34 cfu/100mL with 33% of the sa 2002.	TK40MO amples abov	-	26N ercentile	02E criterio		Fecal Colifor	rm	Water

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformatio	on				Parameter		Medium
				Basis								Remarks	
15	40630	5	Υ	LAGOON CREEK	UNK000	0	00U	000U	00		рН		Water
				TPCHD, 1991. 7 excursions beyond the criterion at station PA02 between 11/1/88 and 10/1/9	90.							This stream drains	to Mayo Cove. TRS 21N-01E-36.
15	23708	5	N	LIBERTY BAY	390KRD	47122	H6D5	47.73	35	122.655	Fecal Colifor	rm	Water
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 of Johnson Creek) show a geometric mean of 92 cfu/100mL from samples collected in 2001-		ation LBI	NS-7 (U	pper Li	berty E	Bay east shore	at the mouth		
15	10380	5	Υ	LITTLE MINTER CREEK	QB57UD	0	22N	01E	20		Fecal Colifor	rm	Water
				Dickes and Patterson, 1994. station LM1 (Little Minter Creek (LM1)) shows a geometric mea 13 samples collected during 1993. Dickes and Patterson, 1994. station LM1 (Little Minter Creek exceeding the percentile criterion out of 5 samples collected during 1992.	n of 24 cfu/ eek (LM1))	100mL shows a	with 15% geomet	% excee	eding t an of 1	the percentile of the control of the	riterion out of ith 0%		
15	10381	5	Υ	LITTLE MINTER CREEK	QB57UD	2.51	22N	01E	15		Fecal Colifor	rm	Water
				Dickes and Patterson, 1994. station LM2 (Little Minter Creek (LM2)) shows a geometric mea 8 samples collected during 1993. Dickes and Patterson, 1994. station LM2 (Little Minter Cree out of 2 samples collected during 1992.									
15	6962	5	N	LITTLE MISSION CREEK	VZ87ME	0	22N	02W	99		Fecal Colifor	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 15G050 shows 1 of 3 samples (33.3%) in y (14.3%) in year 2003 exceeded the percentile criterion.	ear 2002 e	xceeded	the per	centile	criteric	on and 1 of 7 sa	amples		
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station S10 between 8/1/90 and 8/1/91.	eyond the c	riterion fo	or both t	he geo	metric	mean and the	percentile		
15	23692	5	N	LITTLE SCANDIA CREEK	II47ZW	0.008	26N	01E	27		Fecal Colifor	rm	Water
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 crossing) show a geometric mean of 103 cfu/100mL from samples collected in 2001-2002.	02) from sta	ation LB	NS-38 (I	Little So	candia	Creek @ Scar	ndia Road		
15	6967	5	Υ	MAYO CREEK	TV40MV	0	20N	01W	01		Fecal Colifor	rm	Water
				Sandison and Hanowell, 1999. show the percentile criterion is exceeded from 9 samples collined Health department unpublished data (submitted by Ray Hanowell on 8/28/91) show a geometration PA08 during 1990.									
15	7655	5	Υ	MAYO CREEK	TV40MV	0	20N	01W	01		Temperature)	Water
				Sandison and Hanowell, 1999. show excursiosn beyond the criterion in 1997 and 1998.									

Tacoma-Pierce County Health department unpublished data (submitted by Ray Hanowell on 8/28/91) show 6 excursions beyond the criterion at station PA08 between during 1989 and 1990.

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WRIA	Listing ID Catego	ry 98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
15	38717 5	N	MINTER CREEK	BH24TJ	6.877		01E	-	Dissolved o		Water
			Kitsap County unpublished data show excursions beyond the criterion in measurements coll	ected in 199	96, 1997,	1999 a	nd 200	01 at station MN01.			
15	10382 5	Υ	MINTER CREEK	BH24TJ	0	22N	01E	29	Fecal Colifo	orm	Water
			Dickes and Patterson, 1994. station M1 (Minter Creek (M1)) shows a geometric mean of 28 samples collected during 1993. Dickes and Patterson, 1994. station M1 (Minter Creek (M1)) samples collected during 1992.							3	
15	10383 5	Υ	MINTER CREEK	BH24TJ	0.643	22N	01E	20	Fecal Colifo	orm	Water
			Dickes and Patterson, 1994. station M2 (Minter Creek (M2)) shows a geometric mean of 35 samples collected during 1993. Dickes and Patterson, 1994. station M2 (Minter Creek (M2)) percentile criterion out of 5 samples collected during 1992.								
15	10384 5	Y	MINTER CREEK	BH24TJ	2.633	22N	01E	17	Fecal Colifo	orm	Water
			Dickes and Patterson, 1994. station M4 (Minter Creek (M4)) shows a geometric mean of 75 samples collected during 1993. Dickes and Patterson, 1994. station M4 (Minter Creek (M4)) samples collected during 1992.							2	
15	10385 5	Υ	MINTER CREEK	BH24TJ	2.753	22N	01E	16	Fecal Colifo	orm	Water
			Dickes and Patterson, 1994. station M5 (Minter Creek (M5)) shows a geometric mean of 114 samples collected during 1993. Dickes and Patterson, 1994. station M5 (Minter Creek (M5)) samples collected during 1992.							2	
15	10386 5	Υ	MINTER CREEK	BH24TJ	5.132	22N	01E	09	Fecal Colifo	orm	Water
			Dickes and Patterson, 1994. station M6 (Minter Creek (M6)) shows a geometric mean of 14 samples collected during 1993. Dickes and Patterson, 1994. station M6 (Minter Creek (M6)) samples collected during 1992.							2	
15	38718 5	N	MINTER CREEK	BH24TJ	6.877	22N	01E	04	Fecal Colifo	orm	Water
			Kitsap County unpublished data show a geometric mean of 48 cfu/100mL with 22% of the sa 2002 at station MN01.	amples abo	ve the pe	rcentile	criterio	on out of 9 samples	s collected in		
15	40096 5	N	NISQUALLY REACH/DRAYTON PASSAGE	390KRD	47122E	37D0	47.13	35 122.705	Fecal Colifo	orm	Water
			Department of Health unpublished data collected from station ORO BAY-257 show a geome exceed the percentile criterion with the last sample collected on 3-Dec-2001.	tric mean o	of 5 cfu/10	0mL ar	nd 16.6	66666666666666666666666666666666666666	f samples		

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Department of Health unpublished data collected from station ORO BAY-554 show a geometric mean of 6 cfu/100mL and 20% of samples exceed the percentile criterion with the last sample collected on 3-Dec-2001.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis							Remarks
15	12585	5	N	NORTH CREEK	XZ01YA	0.006	21N	02E	06	Lead	Water
				Tacoma-Pierce County Health District and Dept. of Ecology unpublished data (submitted by chronic criterion in samples collected on 26 November 2001 and 10 December 2001.	Margaret H	ill of SWF	RO on 9	Oct 20	002) shows excursion	ons beyond the	
15	23701	5	N	NORTH PEARSON BAY	390KRD	47122H	16A3	47.70	5 122.635	Fecal Colifor	rm Water
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 geometric mean of 15 cfu/100mL from samples collected in 2001-2002. Liberty Bay Foundat 2002) from station LBNS-41 (South Pearson Bay @ mid-bay) show a geometric mean of 4 cd	ion unpubl	shed data	a (subn	nitted b	y Luis Barrantes on	bay) show a 12 Decemeber	г
15	38722	5	N	OLALLA CREEK	GC81GI	2.481	22N	02E	05	Fecal Colifo	rm Water
				Hallock (2004), Dept. of Ecology ambient station 15K070 shows 2 of 3 samples (66.7%) in year	ear 2002 ex	ceeded tl	he perc	centile (criterion.		
				Kitsap County unpublished data show a geometric mean of 92 cfu/100mL with 55% of the sa 2002 at station OC02.	mples abov	e the per	rcentile	criterio	on out of 11 sample	s collected in	
15	38923	5	Υ	OSTRICH BAY	AB71WE	0.001	24N	01E	16	Fecal Colifor	rm Water
				Kitsap County unpublished data show a geometric mean of 269 cfu/100mL with 62% of the s 2002.	amples abo	ove the pe	ercentil	e criter	ion out of 13 sample	es collected in	Name should be OSTRICH BAY CREEK per Kitsap Cour Health (KCHD station OB01). Was listed as UNNAMED CREEK on 1998 listkk
15	40608	5	Υ	PICNIC CREEK	UNK000	0	00U	000U	00	Fecal Colifo	rm Water
				TPCHD, 1991. 2 excursions beyond the criterion at station PS05 between 11/1/88 and 10/1/8	90.						This stream drains to Mayo Cove. TRS 21N-01E-36.
				TPCHD, 1991. 3 excursions beyond the criterion at station PA03 between 11/1/88 and 10/1/	90.						
15	40632	5	Υ	PICNIC CREEK	UNK000	0	00U	000U	00	рН	Water
				TPCHD, 1991. 4 excursions beyond the criterion at station PA03 between 11/1/88 and 10/1/8	90.						This stream drains to Mayo Cove. TRS 21N-01E-36.
15	40606	5	Υ	PRIVATE CREEK	UNK000	0	00U	000U	00	Fecal Colifo	rm Water
				TPCHD, 1991. 4 excursions beyond the criterion at station PS13 between 11/1/88 and 10/1/8	90.						This stream drains to Mayo Cove. TRS 21N-01E-36.
				TPCHD, 1991. 13 excursions beyond the criterion at station PA09 between 11/1/88 and 10/1	/90.						
15	40607	5	Υ	PRIVATE CREEK	UNK000	0	00U	000U	00	рН	Water
				TPCHD, 1991. 2 excursions beyond the criterion at station PS13 between 11/1/88 and 10/1/8	90.						This stream drains to Mayo Cove. TRS 21N-01E-36.

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TPCHD, 1991. 2 excursions beyond the criterion at station PA09 between 11/1/88 and 10/1/90.

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location In	formation				Parameter		Medium
				Basis							Remarks	
15	10276	5	N	PUGET SOUND (CENTRAL)	390KRD	47122I4H	18	47.875	122.485	рН		Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station ADM003 (Admiralty Inlet (collected between 1993-2000	south)) shov	vs 6 excurs	sions b	eyond th	ne criterions out of	36 samples		
15	36235	5	N	PUGET SOUND (SOUTH)	390KRD	47122B6	G6	47.165	122.665	Bis(2- ethylhexyl)pl	nthalate	Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rul tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes								
15	36340	5	N	PUGET SOUND (SOUTH)	390KRD	47122B6	G6	47.165	122.665	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rul tissue tissue tissue tissue tissue samples collected in 1993-1997 from English sole (F Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion witissue tissue tissue tissue samples collected in 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In 1997-1999 from English Sole (Pleuronectes of the Collected In	Pleuronectes vas exceede	vetulus) s d in a com	sample nposite	es from s e of more	tation NISQUALY than 5 muscle tis	. Washington		
15	40627	5	Υ	RAVINE CREEK	UNK000	0	00U	000U 0	0	Fecal Colifor	m	Water
				TPCHD, 1991. 7 excursions beyond the criterion at station PA07 between 11/1/88 and 10/1/	90.							to Mayo Cove. WASWIS=HK80KD, in 1998 Listing TRS is 21N-01E-36.
15	38927	5	N	SACCO CREEK	WN12XA	0	24N	02E 1	9	Fecal Colifor	m	Water
				Kitsap County unpublished data show a geometric mean of 274 cfu/100mL with 60% of the s 2002.	samples abo	ve the per	centile	criterion	out of 10 sample	es collected in		
15	38862	5	N	SALMONBERRY CREEK	TK04ST	0	23N	02E 1	8	Dissolved ox	ygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements college.	ected in 199	6-2000 at	station	SM01.				
15	23715	5	N	SAM SNYDER CREEK	YL66GE	0	26N	01E 3	6	рН		Water
				Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 show 3 excursions beyond the criterion out of 5 measurements collected in 2001-2002.	02) from sta	tion LBNS	-32 (S	am Snyd	ler Creek @ estua	ry mouth)	Low pH	
15	6960	5	Y	SHOOFLY CREEK	ZO47XT	0	22N	02W 1	8	Fecal Colifor	m	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions be criterion at station S12 (at Hwy 300) between 8/1/90 and 8/1/91.	eyond the cr	iterion for b	ooth th	ie geome	etric mean and the	percentile		

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name	Location I	nformati	on				Parameter		Medium
				Basis								Remarks	
15	38870	5	N	SINCLAIR INLET	390KRD	47122	F6D8	47.53	35 1	122.685	Dissolved ox	cygen	Water
				Kitsap County unpublished data at station SN05 (MID INLET AT HEAD OFF PILINGS BY PI measurements collected in 1998, 2001, and 2003.	ONEER QI	JARRY)	show 4	excurs	sions be	yond the crite	erion in	natural conditions, sources appear to	riewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. The this listing should be on Category 5 4/2005)
15	38815	5	N	STEELE CREEK	VT21SV	0	25N	01E	14		Dissolved ox	cygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements college	ected in 199	96-2001	at static	n ST01	1.				
				Kitsap County unpublished data show no excursions beyond the criterion in measurements of	collected in	1996-20	001.						
15	38816	5	N	STEELE CREEK	VT21SV	0	25N	01E	14		Fecal Colifor	rm	Water
				Kitsap County unpublished data show a geometric mean of 129 cfu/100mL with 55% of the s 2002 at station ST01.	samples ab	ove the	percenti	e criteri	ion out	of 11 samples	s collected in		
15	6959	5	Υ	STIMSON CREEK	XE80KI	0.441	22N	02W	03		Fecal Colifor	rm	Water
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for S11 (at Elffendahl Pass Road) between 8/1/90 and 8/1/91.	r the geom	etric me	an, but e	exceeds	s the pe	rcentile criteri	ion at station		
15	38887	5	N	STRAWBERRY CREEK	LV21OX	0.062	25N	01E	20		Fecal Colifor	rm	Water
				Kitsap County unpublished data show a geometric mean of 41 cfu/100mL with 18% of the sa 2002.	amples abo	ve the p	ercentile	criterio	on out of	f 41 samples	collected in		
				Kitsap County unpublished data show a geometric mean of 10 cfu/100mL with 0% of the sar 2002 at station SB01.	nples above	e the pe	rcentile (criterion	n out of	11 samples of	collected in		
15	36346	5	N	TACOMA NARROWS	390KRD	47122	D5C6	47.32	25 1	122.565	Total PCBs		Tissue
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rul tissue tissue tissue tissue samples collected in 1996 from quillback rockfish (Sebaste							5 muscle		
15	42600	5	N	UNION RIVER	MF56EG	2.366	23N	01W	20		Dissolved ox	kygen	Water
				Hallock (2003), Dept. of Ecology ambient station 15E070 shows a total of 2 samples in years	s 2002 and	2003 ex	ceeded	the crite	erion.				
				Ward et al. (2001) station 15E070 (UNION R NR BELFAIR) shows 0 excursions beyond the	criterion ou	ıt of 12 s	amples	collecte	ed betwe	een 01/99 - 1	2/99.		

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Ward et al. (2001) station UR3RIVER (LOWER UNION R. @ OLD BELFAIR HWY BRIDGE) shows 0 excursions beyond the criterion out of 12 samples collected

between 01/99 - 12/99.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name L	ocation Ir	nformatio	on			Parameter		Medium
				Basis							Remarks	
15	38911	5	N	UNNAMED CREEK	N53PY	0.251	23N	01W	10	Dissolved ox	ygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements collect	ted 1998,	1999 ar	nd 2001	1.				
15	38922	5	N	UNNAMED CREEK	B71WE	0.001	24N	01E	16	Dissolved ox	ygen	Water
				Kitsap County unpublished data show excursions beyond the criterion in measurements collect	ted in 199	7, 2000	and 20	001.				
15	43033	5	N	UNNAMED CREEK	JNK000	0	24N	02E	07	Dissolved ox	ygen	Water
kk				Kitsap County Health, 2004, excursions beyond the criterion were measured at station DE01 de	uring 199	6, 1999,	2000,	and 20	01.		ENETAI (DEE) CRI	EEK, no WASWIS, TRS = 24N-02E-07
15	43034	5	N	UNNAMED CREEK	JNK000	0	00U	000	J 00	Fecal Colifor	m	Water
1.1.				Kitsap County Health District, 2004, samples collected at station DE01 exceed both the geome	etric mean	criterio	n and tl	he perc	entile criterion each	n year between	ENETAI (DEE) CRE	EEK, no WASWIS, TRS = 24N-02E-07
kk				1996 and 2001.								
16	21929	5	N	DOSEWALLIPS RIVER	RZ37KR	0.043	25N	02W	02	Temperature		Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements of	ollected in	n 2001 a	at Dose	wallips	State Park.			
				Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily in 2001 at Dosewallips State Park.	maximum	tempe	rature	from co	ntinuous measuren	nents collected		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16D070 (Dosewallips R @ Brinnor collected between 1993 - 2001	n) shows	0 excur	sions b	eyond	the criterion out of	12 samples		
16	35261	5	N	DUCKABUSH RIVER S	C72WD	6.914	25N	03W	01	Temperature		Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show the week ending 9-11-2002, with a maximum daily temperature of 18.3 degrees C from continu RM 4.5).							conditions, but coul	ved this listing in 2003 for natural d not rule out the possibility that human d to the excursion(s).
				Dept. of Ecology unpublished data from core ambient monitoring station 16C090 (Duckabush F 13.8 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Static excursions beyond the criterion out of 52 samples collected between 1993 - 2001								
16	12587	5	N	FINCH CREEK P	PL30HS	0	22N	04W	12	Fecal Colifor	m	Water
				Washington State Department of Health unpublished data show an excursion beyond the percebridge and at the mouth near Hatchery beach.	entile crite	erion fro	m 7 saı	mples o	collected during 200	0 at the Hwy 101		

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location In	formation			Parameter	Medium Remarks
16	40782	5	N	FINCH CREEK	PL30HS	0.241 22N	04W 11	I	Fecal Colifo	rm Water
of				Washington State Department of Health unpublished data show an excursion beyond the pe	ercentile crite	rion from 7 sar	mples collec	cted during 2000	at	Updated with DOH information, otherwise this is a duplicate
kk				Lumberman's foot bridge						Listing ID 12588 which has now been inactivated. 10/20/04 -
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport that 11% of the samples exceeds the percentile criterion from 9 samples collected during 19		eometric mean	of 19 does	not exceed the o	riterion and	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport that 0% of the samples exceeds the percentile criterion from 3 samples collected during 199		eometric mean	of 27 does	not exceed the o	riterion and	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport 0% of the samples exceeds the percentile criterion from 9 samples collected during 1994.	t) shows a g	eometric mean	of 8 does r	not exceed the cr	iterion and tha	t
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16E070 (Finch Cr @ Hoodsport that 33% of the samples exceeds the percentile criterion from 3 samples collected during 19		eometric mean	of 39 does	not exceed the o	riterion and	
16	21928	5	N	FULTON CREEK	BY80QW	0.013 25N	02W 31	I	Temperature	e Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements excursions beyond the criterion from the annual 7-day mean of daily maximum temperature						
16	13930	5	N	GREAT BEND/LYNCH COVE	390KRD	47123D1F0	47.355	123.105	Fecal Colifo	rm Water
				Department of Health unpublished data collected from station ANNAS BAY-197 show a geopercentile criterion with the last sample collected on 13-Nov-2001.	metric mean	of 7 cfu/100ml	_ and 19% (of samples excee	ed the	
16	40971	5	N	HOOD CANAL	390KRD	47123D1H3	47.375	123.135	Dissolved of	xygen Water
				Newton (2004), Hood Canal Study station POTLCH shows 37 of 54 samples exceeded the oyear 2004.	criterion in ye	ear 2003, and 1	10 of 15 san	nples exceeded t	he criterion in	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,
4/2005)										
16	40972	5	N	HOOD CANAL	390KRD	47123D1G0	47.365	123.105	Dissolved of	xygen Water
				Newton (2004), Hood Canal Study station POTSO shows 17 of 36 samples exceeded the cryear 2004.	riterion in yea	r 2003, and 5	of 13 sampl	les exceeded the	criterion in	This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,
4/2005)										issuing should be left on Category 3 (Granufain memo,

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Local	ation Informat	tion		I	Parameter		Medium
				Basis						Remarks	
16	40973	5	N	HOOD CANAL 390H	KRD 4712	3D1H4	47.375	123.145	Dissolved ox	ygen	Water
4/2005)				Newton (2004), Hood Canal Study station POTW shows 25 of 38 samples exceeded the criterion i 2004.	in year 2003,	, and 7 of 1	10 samples	exceeded the ci		natural conditions, v sources appear to c	ewed by Ecology Marine Unit staff for vith the conclusion that anthropogenic ontribute to the D.O. exceedances. This on Category 5 (Grantham memo,
16	40977	5	N	HOOD CANAL (SOUTH) 390H	KRD 4712	3E1D1	47.435	123.115	Dissolved ox	ygen	Water
				Newton (2004), Hood Canal Study station SUNDRK shows 23 of 34 samples exceeded the criteric year 2004.					e criterion in	This listing was revi natural conditions, v sources appear to c	ewed by Ecology Marine Unit staff for vith the conclusion that anthropogenic ontribute to the D.O. exceedances. This on Category 5 (Grantham memo,
4/2005)										iloting should be left	on oatogory o (Grantilain meme,
16	40978	5	N	HOOD CANAL (SOUTH) 390H	KRD 4712	3E1D1	47.435	123.115	Dissolved ox	ygen	Water
				Newton (2004), Hood Canal Study station SUNDRK40 shows 9 of 9 samples exceeded the criteric year 2004.	on in year 20	003, and 6 o	of 6 samples	exceeded the		natural conditions, v sources appear to c	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic ontribute to the D.O. exceedances. This on Category 5 (Grantham memo,
4/2005)											
16	40979	5	N	HOOD CANAL (SOUTH) 390H	KRD 4712	3E1D1	47.435	123.115	Dissolved ox	ygen	Water
				Newton (2004), Hood Canal Study station SUNDRK70 shows 9 of 9 samples exceeded the criteric year 2004.	on in year 20	003, and 6 o	of 7 samples	exceeded the		natural conditions, v sources appear to c	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic ontribute to the D.O. exceedances. This on Category 5 (Grantham memo,
4/2005)										iloting should be left	on category o (Crantilain meme,
16	40980	5	N	HOOD CANAL (SOUTH) 390K	KRD 4712	3E1C1	47.425	123.115	Dissolved ox	ygen	Water
				Newton (2004), Hood Canal Study station BAMBAN shows 24 of 30 samples exceeded the criteric year 2004.	on in year 20	003, and 12	of 20 samp	les exceeded th		natural conditions, v sources appear to c	vith the conclusion that anthropogenic ontribute to the D.O. exceedances. This
4/2005)										listing should be left	on Category 5 (Grantham memo,
16	40982	5	N	HOOD CANAL (SOUTH) 390H	KRD 4712	3E1C2	47.425	123.125	Dissolved ox	ygen	Water
				Newton (2004), Hood Canal Study station BAMBW shows 17 of 24 samples exceeded the criterion year 2004.	n in year 200	03, and 6 of	f 14 samples	s exceeded the		natural conditions, v sources appear to c	ewed by Ecology Marine Unit staff for with the conclusion that anthropogenic ontribute to the D.O. exceedances. This
4/2005)										iisting snould be len	on Category 5 (Grantham memo,

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WRIA	A Lis	sting ID Cate	gory	98 List?	Waterbody Name Basis	Location I	Inform	ation				Parameter	Remarks	Medium
16		40988	5	N	HOOD CANAL (SOUTH) Newton (2004), Hood Canal Study station HAMAW shows 12 of 27 samples exceeded the c year 2004.	390KRD riterion in y		23F0F2 03, and 2	47.55 ! of 6 san		23.025 xceeded the	Dissolved ox criterion in	This listing was rev natural conditions, sources appear to	Water lewed by Ecology Marine Unit staff for with the conclusion that anthropogenic contribute to the D.O. exceedances. This ton Category 5 (Grantham memo,
16 drains	,	40868	5	Y	HUNTER CREEK Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 1 excursion beyond	UNK000 the upper o	-		000U ridge on		Creek on 10	Fecal Colifor 9/95.	There is no WASW to the Skokomish I	Water IS ID for this segment. The stream River. JB 7-25-03: NO WASWIS ID, ENT DATA AND TMDL
16	;	35263	5	N	LEBAR CREEK Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) shot the week ending 8-15-2001, with a maximum daily temperature of 17.1 degrees C from confidence.		mean	of maximu		tempei			Ecology staff review conditions, but cou	Water ved this listing in 2003 for natural d not rule out the possibility that human d to the excursion(s).
16	•	13931	5	N	LIBERTY BAY Department of Health unpublished data collected from station LIBERTY BAY-500 show a gepercentile criterion with the last sample collected on 19-Nov-2001. Department of Health unpublished data collected from station LIBERTY BAY-498 show a gepercentile criterion with the last sample collected on 19-Nov-2001. Department of Health unpublished data collected from station LIBERTY BAY-499 show a gepercentile criterion with the last sample collected on 19-Nov-2001. Liberty Bay Foundation unpublished data (submitted by Luis Barrantes on 12 December 20 (Horder property)) show a geometric mean of 23 cfu/100mL from samples collected in 2001-Barrantes on 12 December 2002) from station LBNS-27 (Lemolo Point north shore (Klinikov samples collected in 2001-2002.	ometric me ometric me 02) from st 2002. Libe	ean of a ean of a ean of a tation I erty Ba	4 cfu/100n 4 cfu/100n _BNS-24 (y Foundat	nL and 3 nL and 0 Lemolo ion unpu	3% of same of	amples excee amples excee n north side of d data (subm	ed the ed the of point itted by Luis	rm	Water
16		7663	5	Y	SKOKOMISH RIVER Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) shows 2 excursions beyon	WW06HB			03W en's betw		995 and 1996	Fecal Colifor	Previously and erra	Water ntly reported as part of Skokomish River n is below Hwy 106. Returned to
Catego	ry												5 from 4A. 12/01/0	4 -kk
16	;	35267	5	N	SKOKOMISH RIVER, S.F. Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) shot the week ending 8-9-2000, with a maximum daily temperature of 18.5 degrees C from contin RM 10.5).		mean	of maximu	ım daily	tempei			Ecology staff review conditions, but cou	Water ved this listing in 2003 for natural d not rule out the possibility that human d to the excursion(s).

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WRIA	Listing ID Cate	gory (98 List?	Waterbody Name Basis	Location Information		Parameter	Medium Remarks
16 drains	40867	5	Y	TEN ACRE CREEK Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 3 excursions beyond to between 1995 and 1996.		OOU 000U 00 Ten Acre Creek at the Valley	Fecal Colifo Road Bridge	There is no WASWIS ID for this segment. The stream to Purdy Creek /Skokomish River. JB 7-25-03: NO WASWIS ID, HAVE MORE RECENT DATA AND TMDL
17	40319	5	N	ADMIRALTY INLET (INNER) Department of Health unpublished data collected from station MATS MATS BAY-1 show a generoentile criterion with the last sample collected on 20-Dec-2001. Department of Health unpublished data collected from station MATS MATS BAY-10 show a generoentile criterion with the last sample collected on 20-Dec-2001. Department of Health unpublished data collected from station MATS MATS BAY-14 show a generoentile criterion with the last sample collected on 20-Dec-2001. Department of Health unpublished data collected from station MATS MATS BAY-2 show a generoentile criterion with the last sample collected on 20-Dec-2001. Department of Health unpublished data collected from station MATS MATS BAY-5 show a generoentile criterion with the last sample collected on 20-Dec-2001. ADD Department of Health unpublished data collected from station MATS MATS BAY-7 sthe percentile criterion with the last sample collected on 20-Dec-2001.	peometric mean of 6 cf peometric mean of 4 cf peometric mean of 5 cfull peometric mean of 4 cful	/100mL and 22% of samples fu/100mL and 22% of samples fu/100mL and 11% of samples /100mL and 11% of samples /100mL and 11% of samples	s exceed the s exceed the exceed the exceed the	rm Water
17	40321	5	N	ADMIRALTY INLET (INNER) Department of Health unpublished data collected from station MATS MATS BAY-12 show a generatile criterion with the last sample collected on 20-Dec-2001.	390KRD 47122J6G geometric mean of 3 cf		Fecal Colifo	rm Water
17	40326	5	N	ADMIRALTY INLET (INNER) Department of Health unpublished data collected from station MATS MATS BAY-8 show a ge exceed the percentile criterion with the last sample collected on 20-Dec-2001. Department of Health unpublished data collected from station MATS MATS BAY-9 show a ge exceed the percentile criterion with the last sample collected on 20-Dec-2001.		u/100mL and 22.222222222		
17	21943	5	N	BIG QUILCENE RIVER Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements excursions beyond the criterion from the annual 7-day mean of daily maximum temperature frodgers St. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17A060 (BIG QUILCENE R NR No collected between 1993 - 2001	collected in 2001 and from continuous measu	urements collected in 2001 ar	nd 2002 at	8

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	Medium
				Basis							Remarks
17	21944	5	N	BIG QUILCENE RIVER	EL58TS	3.694	271	l 02\	W 22	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurement shows excursions beyond the criterion from the annual 7-day mean of daily maximum temp 101.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17A070 (Big Quilcene R nr Qui collected between 1993 - 2001	lcene) show	vs 0 excu	ursions	beyo	nd the criterion o	out of 12 samples	
17	16737	5	Υ	CHIMACUM CREEK	MB88JL	5.735	291	I 01\	W 14	Fecal Colifor	m Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B100 (Chimacum Cr @ Chim 67% of the samples exceeds the percentile criterion from 3 samples collected during 1993. (Chimacum Cr @ Chimacum) shows a geometric mean of 310 exceeds the criterion and the samples collected during 1994.	; Hallock (2	2001) De	pt. of I	Ecolog	y Ambient Monit	oring Station 17B100	
17	16738	5	N	CHIMACUM CREEK	MB88JL	0.252	301	l 01\	W 34	Fecal Colifor	m Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B070 (Chimacum Cr nr Irond that 0% of the samples does not exceed the percentile criterion from 3 samples collected du Station 17B070 (Chimacum Cr nr Irondale) shows a geometric mean of 140 exceeds the cr from 9 samples collected during 1994.	ıring 1993.;	Hallock	(2001) Dept	. of Ecology Aml	bient Monitoring	
17	7670	5	Υ	CHIMACUM CREEK	MB88JL	14.975	281	l 01\	W 09	Temperature	Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursic RM 8.8 WDF#17.0203) between 1992 and 1994.	ons beyond	the criter	ion ou	t of 23	samples (65%)		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listir is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21953	5	N	CHIMACUM CREEK	MB88JL	2.062	291	I 01\	W 03	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurement 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum 2000 at Irondale Rd.							
17	21954	5	Υ	CHIMACUM CREEK	MB88JL	5.735	291	l 01\	W 14	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurement Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of d in 1996 and 1998-2001 at Rhody Dr/Mustin Property.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17B100 (Chimacum Cr @ Chim collected between 1993 - 2001 measured on these dates: 94/07/25,	nacum) sho	ws 1 exc	ursion	s beyo	and the criterion	out of 12 samples	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
17	21955	5	N	CHIMACUM CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximuland 2002 at Eaglemount Rd.	collected in	n 1992-1	994 an		2002 at Eaglemoun		
17	21956	5	N	CHIMACUM CREEK, E.F. Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maxi 2000 and 2001 at Beaver Valley Rd. Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions Creek RM 1.0 (WDF#17.0205) between 1992 and 1994.	mum temp	erature f	996 and	tinuous r	001 at Beaver Valle neasurements colle	ected in 1998,	Water
17	21952	5	N	DONAVAN CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximum 2002 at McInnes Rd.		n 1992-1	994 an		2002 at McInnes Ro		Water
17	7673	5	Y	DONOVAN CREEK Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 17 excursion RM 0.2 (WDF# 17.0115) between 1992 and 1994.	KU90XL ns beyond t			01W (of 23 sam		Temperature avon Creek	
17 4/2005)	40985	5	N	HOOD CANAL (NORTH) Newton (2004), Hood Canal Study station BANGRW shows 11 of 22 samples exceeded the year 2004.	390KRD criterion in y	47122h year 200		47.735 of 6 san		Dissolved ox	ygen Water This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo,
17	21951	5	N	HOWE CREEK Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements Labbe et al. 2002, shows excursions beyond the criterion from the annual 7-day mean of dai 2001 and 2002 at Lords Lake Loop Rd.		n 2001-2	002 at L		e Loop Rd.	Temperature	Water

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Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Jimmycomelately 0.1 shows 3 samples beyond the criterion collected on the following days: 9/30/2000, 9/29/2001, 8/10/2002.

JW80JU 0.012 29N 03W 12

Dissolved oxygen

Water

Water

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Jimmycomelately 0.6 shows 2 samples beyond the criterion collected on the following days: 10/1/2001, 8/10/2002.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 17C070 (JIMMYCOMELATELY CR NEAR MOUTH) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001.

17 21543 5 N JIMMYCOMELATELY CREEK JW80JU 0.012 29N 03W 12 Fecal Coliform

Hallock (2004), Dept. of Ecology ambient station 17C070 meets tested standards for fecal coliform.

Ν

42824

17

JIMMYCOMELATELY CREEK

Streamkeepers of Clallam County unpublished data show a geometric mean of 1 cfu/100mL from 2 samples collected in 2003 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).

Streamkeepers of Clallam County unpublished data show a geometric mean of 16 cfu/100mL from 6 samples collected in 2002 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).

Streamkeepers of Clallam County unpublished data show a geometric mean of 13 cfu/100mL from 5 samples collected in 2001 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).

Streamkeepers of Clallam County unpublished data show a geometric mean of 55 cfu/100mL from 2 samples collected in 2000 at station JCL 0.1 (JCL upstream of Old Blyn Hwy).

17 7674 5 Y JOHNSON CREEK BV22BE 0 30N 03W 27 Fecal Coliform Water

Streamkeepers of Clallam County unpublished data show a geometric mean of 103 cfu/100mL from 8 samples collected in 1991 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 75 cfu/100mL from 6 samples collected in 1992 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 64 cfu/100mL from 4 samples collected in 1987 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 41 cfu/100mL from 13 samples collected in 1988 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 5 samples collected in 1989 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 6 cfu/100mL from 2 samples collected in 1999 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 7 samples collected in 2000 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 7 samples collected in 2000 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 6 samples collected in 2001 at station Johnson 0.0 (Johnson upstream of Marina). Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 6 samples collected in 2002 at station Johnson 0.0 (Johnson upstream of Marina).

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformat	tion				Parameter	Medium
				Basis								Remarks
17	7675	5	Y	LELAND CREEK	LN92UA	1.797	7 2	7N	02W	02	Temperature	Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 11 excursion 0.2 (WDF# 17.0077) between 1992 and 1994.	ns beyond	the crite	erion (out of	21 sa	mples (52%) at Lela	and Creek RM	TRS was 29N-02W-11 on 1998 listkk
				0.2 (WDI # 17.0077) Between 1992 and 1994.								Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21949	5	N	LELAND CREEK	LN92UA	0.652	2 2	7N	02W	12	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximuland 2002 at Rice Lake Rd.								
17	7676	5	Υ	LITTLE QUILCENE RIVER	XP04IN	2.988	3 2	7N	02W	11	Temperature	Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions 2.0 between 1992 and 1994.	s beyond th	ne criter	rion ou	ut of 2	21 san	nples (23%) at Little	Quilcene RM	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21946	5	N	LITTLE QUILCENE RIVER	XP04IN	2.663	3 2	7N	02W	14	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements shows no excursions beyond the criterion from the annual 7-day mean of daily maximum te Highway 101.								,
17	21931	5	N	MARPLE CREEK	PL66WB	0	2	6N	02W	13	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements excursions beyond the criterion from the annual 7-day mean of daily maximum temperature								
17	21950	5	Y	RIPLEY CREEK	HK12KN	0.122	2 2	8N	02W	35	Temperature	Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements al. 2002, shows excursions beyond the criterion from the annual 7-day mean of daily maximularly Lords Lake Loop Rd.								
17	7682	5	Υ	TARBOO CREEK	KU90XL	0.986	5 2	8N	01W	33	Temperature	Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 3 excursions Creek RM 0.5 (WDF# 17.0130) between 1992 and 1994.	s beyond th	ne criter	rion ou	ut of 2	24 san	nples (13%) at East	Fork Tarboo	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformatio	n		Parameter	Medium
				Basis						Remarks
17	7683	5	Υ	TARBOO CREEK	KU90XL	5.906	28N	01W 20	Temperature	e Water
				Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursion 2.5 (WDF# 17.0129) between 1992 and 1994.	ns beyond t	he criteri	on out o	of 24 samples (63%) at	Tarboo Creek RM	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
17	21947	5	N	TARBOO CREEK	KU90XL	4.29	28N	01W 29	Temperature	e Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximu Old Tarboo Rd.						
17	21948	5	N	TARBOO CREEK, E.F.	CT72HN	0	28N	01W 33	Temperature	e Water
				Labbe et al. 2002, shows excursions beyond the criterion from instanatenous measurements 2002, shows no excursions beyond the criterion from the annual 7-day mean of daily maximu 2002 at Coyle Rd.						
18	6972	5	Υ	BAGLEY CREEK	YM49RG	1.838	30N	05W 16	Fecal Colifor	rm Water
				Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show exceeded the percentile criterion.	s that 2 of	2 sample	s (100%	6) collected at Hwy 101	in 1991	
18	42965	5	N	BELL CREEK	ZX80OY	0	30N	03W 22	Dissolved or	xygen Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bell 0.1 days: 1/17/2000, 10/1/2000, 7/28/2000, 8/12/2001, 9/30/2001, 8/15/2002, 10/17/2003.	shows 7 s	samples t	peyond ¹	the criterion collected o	n the following	
18	42966	5	N	BELL CREEK	ZX80OY	0.4	30N	03W 21	Dissolved or	xygen Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bell 0.8 days: 10/3/2001, 8/15/2001, 1/20/2002, 1/20/2003, 10/17/2003.	3 shows 5 s	amples t	peyond	the criterion collected o	n the following	

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Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) shows that 3 of 4 samples (75%) collected at the mouth exceeded the

percentile criterion in 1991.

WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
18	21444	5	N	CASSALERY CREEK	JE42HJ	0.679	30N	03W	05	Fecal Colifo	orm	Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Cassa criterion.	alery 0.6 sho	ows in 200)2 and 2	2003 a	least one sample e	exceeded the		
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Cassa percentile criterion; in 2001, 3 of 3 samples (100.0%) exceeded the percentile criterion.	alery 0.5 sho	ows in 200	00, 3 of	3 samı	oles (100.0%) exce	eded the		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 32 cfu/100m (Cassalery @Jamestown Rd.)	L from 2 sa	imples col	lected i	n 2003	at station Cassaler	ry 0.6		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 899 cfu/100 (Cassalery @Jamestown Rd.).	mL from 2 s	amples co	ollected	in 200	2 at station Cassale	ery 0.6		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 74 cfu/100m (Cassalery d/s of Jamestown Rd).	ıL from 3 sa	imples col	lected in	n 2002	at station Cassaler	ry 0.5		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 20 cfu/100m (Cassalery @Jamestown Rd.).	L from 1 sa	imples col	lected in	n 2001	at station Cassaler	ry 0.6		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 552 cfu/100 (Cassalery d/s of Jamestown Rd).	mL from 5 s	amples co	ollected	in 200	1 at station Cassale	ery 0.5		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 274 cfu/100r (Cassalery d/s of Jamestown Rd).	mL from 5 s	amples co	ollected	in 200	0 at station Cassale	ery 0.5		
				Streamkeepers of Clallam County unpublished data show a geometric mean of 292 cfu/100r (Cassalery d/s of Jamestown Rd).	mL from 1 s	samples co	ollected	in 199	9 at station Cassale	ery 0.5		
18	6878	5	Υ	DRY CREEK	XN56VX	2.767	30N	07W	12	Temperatur	e	Water
				Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day between 7/92 and 9/92.	mean of ma	aximum da	ily tem	oeratui	es of 27.7 deg C.	at RM 2.5		
18	40383	5	N	DUNGENESS BAY	390KRD	48123B	1F5	48.15	5 123.155	Fecal Colifo	orm	Water
				Department of Health unpublished data collected from station DUNGENESS BAY-108 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	a geometri	ic mean of	6 cfu/1	00mL	and 7.1428571428	5714% of		
				Department of Health unpublished data collected from station DUNGENESS BAY-110 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	a geometri	ic mean of	6 cfu/1	00mL	and 10.714285714	2857% of		
18	6579	5	N	ELWHA RIVER	PB56KA	11.657	30N	07W	28	Temperatur	e	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 18B070 (Elwha R. 16.6 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring St excursions beyond the criterion out of 54 samples collected between 1993 - 2001								

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter Remarks	Medium
18	7023	5	N	ELWHA RIVER Serdar, 1999. excursions beyond the National Toxics Rule criterion in rainbow trout collected	PB56KA ed in 1999.	5.071	30N	07W	10	Total PCBs	Tissue
18	9924	5	N	MCALLISTER CREEK Sargeant (2002) station MC0.8 (MC0.8) shows the geometric mean of 13 does not exceed to percentile criterion from 3 samples collected during 1999.; Sargeant (2002) station MC0.8 criterion and that 19 % of the samples exceeds the percentile criterion from 16 samples collected during 2002) station MC1.7T (MC1.7T) shows the geometric mean of 121 exceeds the confrom 13 samples collected during 2000.	(MC0.8) sh ected during	ows the (g 2000.;	geomet	he san	nples does not exce n of 66 does not ex	ceed the	Water
18	9925	5	N	MCALLISTER CREEK Sargeant (2002) station MC1.9 (MC1.9) shows the geometric mean of 32 does not exceed t	JQ29HX he criterion	2.754 and that	31N 0 % of t			Fecal Coliform	Water

Sargeant (2002) station MC1.9 (MC1.9) shows the geometric mean of 32 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 4 samples collected during 1999.; Sargeant (2002) station MC1.9 (MC1.9) shows the geometric mean of 119 exceeds the criterion and that 31 % of the samples exceeds the percentile criterion from 16 samples collected during 2000.;

Sargeant (2002) station MC2.0 (MC2.0) shows the geometric mean of 174 exceeds the criterion and that 33 % of the samples exceeds the percentile criterion from 9 samples collected during 2000.; ;

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PEABODY CREEK JY97IB 0 30N 06W 01 **Fecal Coliform** Water

Streamkeepers of Clallam County unpublished data show a geometric mean of 10 cfu/100mL from 1 samples collected in 2003 at station Peabody 0.2 (Peabody @ 2nd St).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.3 shows in 2003, 2 of 4 samples (50.0%) exceeded the percentile criterion.

Ν

5

21467

18

Streamkeepers of Clallam County unpublished data show a geometric mean of 212 cfu/100mL from 2 samples collected in 2003 at station Peabody 0.3 (Peabody @trailer park laundry).

Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 2 samples collected in 2002 at station Peabody 0.0 (Peabody @ mouth).

Streamkeepers of Clallam County unpublished data show a geometric mean of 48 cfu/100mL from 4 samples collected in 2002 at station Peabody 0.2 (Peabody @ 2nd St).

Streamkeepers of Clallam County unpublished data show a geometric mean of 31 cfu/100mL from 2 samples collected in 2002 at station Peabody 0.3 (Peabody @trailer park laundry).

Streamkeepers of Clallam County unpublished data show a geometric mean of 631 cfu/100mL from 4 samples collected in 2001 at station Peabody 0.0 (Peabody @ mouth).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2 shows in 2001, 3 of 6 samples (50.0%) exceeded the percentile criterion; and a geometric mean of 278.78 from 6 samples exceeded the criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 291 cfu/100mL from 7 samples collected in 2001 at station Peabody 0.2 (Peabody @ 2nd St).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2a2 shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2a4 shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.2b shows in 2001, 2 of 2 samples (100.0%) exceeded the percentile criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 6 samples collected in 2001 at station Peabody 0.3 (Peabody @trailer park laundry).

Streamkeepers of Clallam County unpublished data show a geometric mean of 20 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.4 (Peabody @ Peabody St culvert).

Streamkeepers of Clallam County unpublished data show a geometric mean of 32 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.5 (Peabody u/s of Peabody St).

Streamkeepers of Clallam County unpublished data show a geometric mean of 86 cfu/100mL from 1 samples collected in 2001 at station Peabody 0.6 (Peabody d/s of 5 St. Culvert).

Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 2 samples collected in 2001 at station Peabody 0.9 (Peabody u/s of 8 St.).

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WRIA Listing ID Category 98 List? Waterbody Name Location Information Parameter Medium

Basis Remarks

Streamkeepers of Clallam County unpublished data show a geometric mean of 21 cfu/100mL from 2 samples collected in 2001 at station Peabody 1.0 (Peabody @ 9th St).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Peabody 0.0 shows in 2000, 2 of 3 samples (66.7%) exceeded the percentile criterion; in 2001, 2 of 3 samples (66.7%) exceeded the percentile criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 69 cfu/100mL from 3 samples collected in 2000 at station Peabody 0.0 (Peabody @ mouth).

Streamkeepers of Clallam County unpublished data show a geometric mean of 102 cfu/100mL from 2 samples collected in 2000 at station Peabody 0.2 (Peabody @ 2nd St).

Streamkeepers of Clallam County unpublished data show a geometric mean of 22 cfu/100mL from 2 samples collected in 1999 at station Peabody 0.0 (Peabody @ mouth).

18 10312 5 Y PORT ANGELES HARBOR

Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station PAH003 (Port Angeles Harbor - Ediz Hook Head) shows excursions beyond the criterion in 2001

and 2002.

there

retained upon

organic

in

further research of available literature, see BPJ Albertson

Water

2005, and SAIC 1999. 03/07/05 -kk

Considered for removal from Category 5, but

Albertson 2005, analyses at the 20 meter depth suggest

could be additional anthropogenic effect on the DO concentrations of upwelled water entering the bay.

SAIC 1999, accumulation of wood waste contributes to apparent high sediment oxygen demand, degraded benthic habitat (OSI less than zero) was observed in the near shore areas of the western harbor, bacterial mats indicating

loading and low dissolved oxygen conditions were observed

the western harbor.

Floyd Snider McCarthy, Inc. and Evans-Hamilton, 2002, suggests that low dissolved oxygen concentrations are directly tied to conditions in the Strait of Juan de Fuca. The data indicate that tidal flushing rates in Port Angeles Harbor supply or remove much more oxygen than the oxygen demand that may be caused by human factors.

18 42979 5 N SIEBERT CREEK, W.F.

390KRD 48123B4D6

48.135

123.465

Dissolved oxygen

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WRIA	Listing ID Catego	ory 98	List?	Waterbody Name Basis	Location Ir	nformation			Parameter	Remarks	Medium
18	40377 !	5 N		STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-104 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001. Department of Health unpublished data collected from station DUNGENESS BAY-105 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	Ü					rm	Water
18	40379	5 N	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-106 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1G4 c mean of 7 cfu/	48.165 100mL and	123.145 17.857142857	Fecal Colifo 1429% of	rm	Water
18	40380	5 N		STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-107 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001. Department of Health unpublished data collected from station EAST STRAITS-116 show a generative criterion with the last sample collected on 8-Nov-2001.	Ū					rm	Water
18	40382	5 N	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-109 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1G6 c mean of 6 cfu/	48.165 100mL and	123.165 10.7142857142	Fecal Colifo 2857% of	rm	Water
18	40384	5 N		STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-111 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1F6 mean of 5 cfu/	48.155 100mL and	123.165 14.2857142857	Fecal Colifo 7143% of	rm	Water
18	40385	5 N	N	STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-112 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1E7 c mean of 5 cfu/	48.145 100mL and	123.175 10.7142857142	Fecal Colifo 2857% of	rm	Water
18	40386	5 N		STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-113 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1F3 c mean of 9 cfu/	48.155 100mL and 2	123.135 21.428571428	Fecal Colifo 5714% of	rm	Water
18	40387	5 N		STRAIT OF JUAN DE FUCA (EAST) Department of Health unpublished data collected from station DUNGENESS BAY-114 show samples exceed the percentile criterion with the last sample collected on 19-Dec-2001.	390KRD a geometric	48123B1F2 mean of 7 cfu/	48.155 100mL and	123.125 10.7142857142	Fecal Colifo 2857% of	rm	Water

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Ν **TUMWATER CREEK** 21484 5 18 ZY80RT 0 30N 06W 01 **Fecal Coliform** Water

> Streamkeepers of Clallam County unpublished data show a geometric mean of 26 cfu/100mL from 2 samples collected in 2003 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).

> Streamkeepers of Clallam County unpublished data show a geometric mean of 34 cfu/100mL from 5 samples collected in 2002 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).

> Streamkeepers of Clallam County unpublished data show a geometric mean of 69 cfu/100mL from 6 samples collected in 2001 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).

> Streamkeepers of Clallam County unpublished data show a geometric mean of 107 cfu/100mL from 5 samples collected in 2000 at station Tumwater 0.1 (Tumwater u/s of Marine Dr).

> Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.1 shows in 2000, 2 of 4 samples (50.0%) exceeded the percentile criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.4 shows in 2001, at least one sample exceeded the criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.4 (Tumwater @d/s end of Truck Rt culvert).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.6 shows in 2001, at least one sample exceeded the criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 8 cfu/100mL from 1 samples collected in 2002 at station Tumwater 0.6 (Tumwater d/s of 8 St.).

Streamkeepers of Clallam County unpublished data show a geometric mean of 8 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.6 (Tumwater d/s of 8 St.).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8 shows in 2003, at least one sample exceeded the criterion.

Streamkeepers of Clallam County unpublished data show a geometric mean of 14 cfu/100mL from 4 samples collected in 2001 at station Tumwater 0.8 (Tumwater nr. 11 St., d/s of storm outflow channel).

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8a shows in 2002, at least one sample exceeded the criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Turnwater 0.8b shows in 2001 and 2003 at least one sample exceeded the criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8c shows in 2002, at least one sample exceeded the criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Tumwater 0.8d2 shows in 2001, at least one sample exceeded the criterion.

Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Turnwater 0.8e shows in 2001 and 2003 at least one sample exceeded the criterion.

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18	9927	5	N	UNNAMED CREEK	FI52VB	1.054	30N	04W	/ 01	Fecal Colifo	rm Water
				Sargeant (2002) station HC0.2 (HC0.2) shows the geometric mean of 8 does not exceed the criterion from 5 samples collected during 1999.; Sargeant (2002) station HC0.2 (HC0.2) shows 13 % of the samples exceeds the percentile criterion from 15 samples collected during 2000.;							
19	6884	5	Υ	CLALLAM RIVER	NY49PY	7.234	31N	12W	/ 04	Temperature	e Water
				Elwha-Klallam Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of	maximum	daily tei	mperatu	ires of	16.8 deg C. at RM s	5.7 during 1992	. A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	6885	5	Υ	CLALLAM RIVER	NY49PY	0.79	32N	12W	/ 21	Temperature	e Water
				Elwha-Klallam Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean of	maximum	n daily tei	mperatu	ires of	19.4 deg C. at RM	1.5 during 1992	. A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	6226	5	Υ	DEEP CREEK	DB51HV	3.67	31N	10W	/ 31	Fine Sedime	nt Water
				Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment leve SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in		,	b) at RN	/I 2.5 ir	n 1990 and 1992.		A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	6227	5	Υ	DEEP CREEK	DB51HV	1.752	31N	10W	<i>1</i> 30	Fine Sedime	nt Water
				Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment leve SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in	•	`	b) at RN	/I 1.4 ir	n 1990 and 1992.		A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	6231	5	Υ	DEEP CREEK	DB51HV	0.519	31N	10W	/ 19	Fine Sedime	nt Water
				Lower Elwha Tribal data (submitted by Michael McHenry on 9/10/93) show fine sediment leve SASSI, 1993. Coho salmon and steelhead are depressed, Chum salmon are critical. Information from the Lower Elwha Tribe show the habitat impact are due to forest practices in	•	,	b) at RN	/1 0.4 ir	n 1990 and 1992.		A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	6879	5	Υ	DEEP CREEK	DB51HV	0.519	31N	10W	/ 19	Temperature	e Water
				Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 24 excur	sions beyo	ond the o	criterion	out of	31 samples (77%) a	t Deep Creek	TRS was 31N-10W-20 on 1998 listkk
				RM 0.25 during 1992.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water

Location Information

Parameter

Remarks

Medium

segment is listed as Category 5 based on the 1998

A 2514 watershed planning project that includes a water quality element is underway in this watershed.

assessment.

WRIA Listing ID Category 98 List? Waterbody Name

Basis

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Local Basis	ation Info	rmation				Parameter	Medium Remarks
19 data	6880	5	Y	DEEP CREEK Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 26 excursion RM 2.5 during 1992.	51HV 3		31N 1			Temperature	
19 data	6881	5	Y	DEEP CREEK Schuett-Hames and Malkin, 1993. (submitted by Michael McHenry on 9/10/93) show 31 excursion E.F. Deep Creek during 1992.	51HV 1					Temperature the mouth of	
19	34999	5	N	DEEP CREEK Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7 on the week ending 7-25-2002, with a maximum daily temperature of 16.67 degrees C from continuous Deep Crk 02).		an of ma	ximum o	daily te	emperature of 16.0		A 2514 watershed planning project that includes a water quality element is underway in this watershed. Water Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
19	7688	5	Y	Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show a 7 the week ending 8-14-2001, with a maximum daily temperature of 16.3 degrees C from continuous RM3.0). GREEN CREEK Cs9 Caldwell, et al. 1991. Numerous excursions beyond the criterion at 4 sites on the segment during 8	us measu 94VY 3	rements		ed in 2	001 at RM 4.528 (s		A 2514 watershed planning project that includes a water quality element is underway in this watershed. Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
19	6882	5	Y	LITTLE HOKO RIVER CC2 Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean 1992.	22VG 0		32N 1 : y tempe			Temperature RM 0.1 during	
19	6883	5	N	LITTLE HOKO RIVER Elwha-Klallam Indian Tribal data (submitted by Michael McHenry on 9/10/93) show a 7-day mean 1992.	22VG 1 of maxin		32N 1: / tempei			Temperature M 2.0 during	

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformation	on			I	Parameter	Medium
				Basis								Remarks
19	7689	5	Υ	SEKIU RIVER	YZ08ZH	0	32N	13W	80 V		Temperature	e Water
				Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 37 excursions beyon	nd the crite	rion in 19	994.					Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
												A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	7690	5	Υ	SEKIU RIVER, N.F.	GR38JB	0	32N	14W	V 15		Temperature	e Water
				Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 9 excursions beyond	d the criterio	on in 199	94.					Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
												A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	7691	5	Υ	SEKIU RIVER, S.F.	SN23GH	0	32N	14W	V 15		Temperature	e Water
				Makah Indian Tribal data (submitted by Ned Currence on 2/28/96) show 38 excursions beyon	nd the crite	rion in 19	994.					Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
												A 2514 watershed planning project that includes a water quality element is underway in this watershed.
19	40419	5	N	STRAIT OF JUAN DE FUCA (WEST)	390KRD	48124	B1J0	48.1	195	124.105	Fecal Colifor	rm Water
				Department of Health unpublished data collected from station EAST STRAITS-142 show a g exceed the percentile criterion with the last sample collected on 18-Dec-2001.	eometric m	ean of 6	cfu/100	mL ar	nd 17.2	4137931034489	% of samples	A 2514 watershed planning project that includes a water quality element is underway in this watershed.
20	6895	5	Υ	ALDER CREEK	LC98SB	0	27N	12W	V 27		Temperature	e Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum	temperatu	re of 17.	8 deg. (C durin	ng 1992	2.		
20	6893	5	Υ	ANDERSON CREEK	FL17VR	0.51	26N	13W	V 12		Temperature	e Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum	temperatu	re of 16.	6 deg. (C durin	ng 1992	2.		
20	42889	5	N	BEAR CREEK	PC63WG	7.855	30N	11W	V 18		Dissolved ox	xygen Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Bear 5 days: 8/2/2000, 9/15/2001, 10/12/2002, 8/16/2002.	.1 shows 4	samples	s beyon	d the c	criterion	n collected on the	e following	

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name L	ocation In	formatio	n			Parameter	Medium
				Basis							Remarks
20	7692	5	Υ	BEAVER CREEK	BL97WS	0	30N	12W	30	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 44 excursions beyond of	out of 80 s	amples	near the	e mout	h the criterion during	1994.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6754	5	N	BIG RIVER Y	/P93MT	3.261	30N	15W	10	рН	Water
				National Park Service data from the STORET database station OLYM_NPS_BR (BIG RIVER L criterion out of 16 samples collected between 01/93 - 12/97.	JPSTREA	M FROM	Л LAKE	OZET	TE) shows 4 excursi	ons beyond the	e Low pH
				Meyer and Brinkman, 2001. show 3 excursions beyond the criterion out of 16 measurements of	collected i	n 1993 a	ınd 199	4.			
20	7693	5	Υ	BOGACHIEL RIVER	PP27XG	0	28N	14W	29	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 6 excursions beyond the	e criterion	out of 7	sample	es at R	M 0 between 1992 a	nd 1995.	TRS was 28N-14W-30 on 1998 listkk
											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7696	5	Υ	BOGACHIEL RIVER	PP27XG	11.178	28N	14W	13	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond the	e criterion	out of 2	sample	es at R	M 8.7 between 1992	and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7697	5	Υ	BOGACHIEL RIVER	PP27XG	13.365	28N	13W	18	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 6 excursions beyond the	e criterion	out of 7	sample	es at R	M 9 between 1992 a	nd 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7698	5	Υ	BOGACHIEL RIVER	PP27XG	15.186	28N	13W	20	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 4 excursions beyond the	e criterion	out of 5	sample	es at R	M 9.8 between 1992	and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Cateo	gory	98 List?	Waterbody Name Basis	Location Ir	nform	nation				Parameter	Medium Remarks
20	7699	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond to	PP27XG the criterion				-		Temperature 992 and 1995.	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7700	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond to	PP27XG the criterion						Temperature 1992 and 1995.	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7701	5	Y	BOGACHIEL RIVER Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond to	_	29. 0	-		12W s at RN		Temperature 2 and 1995.	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	35021	5	N	CALAWAH RIVER, S.F. Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho the week ending 8-9-2000, with a maximum daily temperature of 19.6 degrees C from contin 16.5). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho on the week ending 7-27-2002, with a maximum daily temperature of 20.31 degrees C from Calawah). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho the week ending 7-12-2001, with a maximum daily temperature of 18.9 degrees C from continual Calawah).	nuous meas w a 7-day n continuous i w a 7-day n	mean meas meas	of max nents con of max sureme	kimum ollecte kimum nts co	ed in 2 n daily ollected	temperature of 18 2000 at RM 5.96 (so temperature of 19 d in 2002 at RM 5	station ID RM 0.48 degrees C .96 (station ID SF 7.7 degrees C on	Olympic National Forest provide rationale that the measured excursions beyond the criterion are a natural condition (submitted by Dale Hom on 15 January 2003). Ecology staff reviewed this listing in 2003 for natural
20	5813	5	N	COAL CREEK National Park Service data from the STORET database station OLYM_NPS_COC (COAL CF the criterion out of 14 samples collected between 01/93 - 12/97. National Park Service data from the STORET database station OLYM_NPS_RM-COC (COA collected between 01/93 - 12/97.			AM FRO	OM LA		OZETTE) shows 6	•	Water d Low pH

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Meyer and Brinkman, 2001. show 6 excursions beyond the criterion out of 14 measurements collected in 1993 and 1994.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	Informati	ion			Parameter	Medium
				Basis							Remarks
20	7703	5	Υ	COAL CREEK	CG80EL	0	28N	15W	12	Temperature	e Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	nd the crite	erion bet	ween 6/	23/92 a	nd 9/28/92 at T28N	-R15W-S12 .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7704	5	Υ	COAL CREEK	CG80EL	4.609	29N	15W	35	Temperature	e Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	d the crite	rion betv	ween 6/2	23/92 aı	nd 9/28/92 at T29-F	R15W-S35.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	5815	5	N	CROOKED CREEK	RZ31SI	0.564	30N	15W	14	рН	Water
				National Park Service data from the STORET database station OLYM_NPS_CRC (CROOKE beyond the criterion out of 15 samples collected between 01/93 - 12/97.	D CREEK	UPSTR	REAM FF	ROM LA	AKE OZETTE) show	•	Low pH
				Meyer and Brinkman, 2001. show 8 excursions beyond the criterion out of 15 measurements	collected	in 1993	and 199	94.			
20	7705	5	Υ	CROOKED CREEK, N.F.	AS33ML	0.049	30N	14W	18	Temperature	e Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond	d the criter	ion betw	veen 6/2	3/92 an	d 9/28/92 .		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	16743	5	N	DICKEY RIVER	VG74CO	10.18	6 29N	14W	31	Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 20D070 (Dickey R nr La Push) sthe samples exceeds the percentile criterion from 3 samples collected during 1996.; Hallock R nr La Push) shows a geometric mean of 13 does not exceed the criterion and that 22% of collected during 1997.	(2001) Ďe	ept. of E	cology A	mbient	Monitoring Station 2	20D070 (Dickey	
20	7707	5	Υ	DICKEY RIVER, E.F.	GM16OG	0.768	29N	14W	29	Temperature	e Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	d the crite	rion betv	ween 7/1	19/90 aı	nd 9/20/90 at T29N-	R14W-S29 .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7708	5	Υ	DICKEY RIVER, E.F.	GM16OG	23.31	7 30N	13W	30	Temperature	e Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	d the crite	rion betv	ween 7/1	19/90 aı	nd 9/20/90 at T30N	-R13W-S30.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA L	isting ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Medium Remarks
				Dasis							Remarks
20	7709	5	Υ	DICKEY RIVER, M.F.	MX37BQ	3.557	30N	14W	23	Temperature	Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show 2 excursions beyond the crit	erion betw	een 7/24	I/91 and	7/30/9	1 at T30N-R14W-S	23.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7710	5	Υ	DICKEY RIVER, M.F.	MX37BQ	4.618	30N	14W	14	Temperature	Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show 2 excursions beyond the crit	erion betw	een 7/24	I/91 and	7/30/9	1 at T30N-R14W-S ²	14 .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7711	5	Υ	DICKEY RIVER, W.F.	KJ18QR	0	29N	14W	30	Temperature	Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	d the criter	ion betwo	een 7/19	9/90 an	d 10/14/91 at T29N-	R14W-S30 .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7712	5	Υ	DICKEY RIVER, W.F.	KJ18QR	20.001	30N	14W	21	Temperature	Water
				Quileute Tribe data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyon	d the criter	ion betwo	een 7/19	9/90 an	d 10/14/91 at T30-R	14W-S21.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7713	5	Υ	ELK CREEK	OZ81SL	0.917	27N	12W	35	Temperature	Water
				Horrocks and Lombard, 1995., 10 excursions beyond the criterion out of 62 samples (16%) a	at RM 1.8 (during 19	994.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6898	5	Υ	FISHER CREEK	FA00MP	3.759	27N	10W	34	Temperature	Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum to	emperatur	e of 19.8	deg. C	during	1992.		Note: Location depicted on map and described by WASWIS ID and Lower Route Address is the closest mappable unit. FISHER CREEK is actually a tributary from the southwestern corner of section 34, to the west of FISHER CREEK.

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location Inf	formation			Parameter	Medium Remarks
20	7715	5	Υ	LAKE CREEK	EL07WK		ON 13\		Dissolved of	
to				Quileute Tribal data (submitted by Ron Figler-Barnes on 2/27/96) show 7 excursions beyond	d the criterion	out of 7 sa	mples at	RM 2 between 1994 a	and 1995.	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
										be impaired. (Braley, ECY/WQP, 2003)
20	7746	_	V	LAKE ODEEK	E1 0=14/1/				5	 .
20	7716	5	Υ	LAKE CREEK	EL07WK		ON 13\	_	Dissolved of	
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake days: 8/3/2000, 8/5/2001, 8/24/2003, 10/15/2002.	1.6 shows 4 s	samples bey	ond the	criterion collected on t	the following	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O.
				Quileute Tribal data (submitted by Ron Figler-Barnes on 2/27/96) show 8 excursions beyond	d the criterion	out of 20 s	amples a	at RM 2.75 between 19	992 and 1995.	impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
to										be impaired. (Braley, ECY/WQP, 2003)
20	42844	5	N	LAKE CREEK	EL07WK	0.696 2	9N 13\	N 04	Dissolved o	xygen Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake (days: 8/3/2000, 8/5/2001, 9/19/2001.	0.7 shows 3 s	samples bey	ond the	criterion collected on t	the following	
20	7714	5	Υ	LAKE CREEK	EL07WK	2.132 3	ON 13\	N 33	Temperature	e Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 5 excursions beyond	I the criterion	out of 7 sar	nples at	RM 2 between 1994 a	and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7717	5	Υ	LAKE CREEK	EL07WK	2.31 3	ON 13\	N 34	Temperature	e Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Lake 8/3/2000, 8/5/2001, 9/15/2001, 8/24/2003.	1.6 shows sho	ows the crit	erion wa	s exceeded on the foll	owing 4 days:	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6894	5	Υ	LINE CREEK	SC06WV	1.321 2	6N 10\	N 03	Temperature	e Water
20	5554	9	•	Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum		-			romperature	· · · · · · · · · · · · · · · · · · ·
				The Theat data (Submitted by Sim Hatteri On 5/10/55) Show a 7-day mean of daily maximum	ii tomporature	, o, 17.7 uc	g. O duli	11g 1002.		

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name L Basis	_ocation Ir	nformati	on			Parameter	Medium Remarks
				Dasis							Remarks
20	6892	5	Υ	MAPLE CREEK	PT52FH	0	27N	11 W	35	Temperature	Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum to	emperatur	e of 16.	1 deg. C	during	j 1992.		
20	7718	5	Υ	MAXFIELD CREEK	YH73YS	0	28N	14W	28	Temperature	Water
				Quileute Tribal data (submitted by Ron Barnes on 9/9/93) show numerous excursions beyond	d the criter	rion betv	ween 6/22	2/92 ar	nd 9/28/92 at T28N-F	R14W-S28.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6897	5	Υ	NOLAN CREEK	MF35YT	1.831	26N	13W	24	Temperature	Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum to	emperatur	e of 18.	7 deg. C	during	ງ 1992.		
20	6890	5	Υ	OWL CREEK	QH68OQ	0	27N	11W	35	Temperature	Water
				Hatten, 1992. , shows 18 excursions beyond the criterion in 1991.; Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum te	emperature	e of 18.	1 deg. C	during	1992.		
20	35023	5	N	SITKUM RIVER	PY49WZ	0	28N	12W	10	Temperature	Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show on the week ending 7-27-2002, with a maximum daily temperature of 21.64 degrees C from co Siktum). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 20 degrees C on the week ending 7-12-2001, with a maximum daily temperature of 20.2 degrees (station ID Siktum).	ontinuous i 003) show	measur v a 7-da	ements c y mean c	ollecte of maxi	d in 2002 at RM 0.10 mum daily temperatu	8 (station ID re of 18.3	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show the week ending 8-9-2000, with a maximum daily temperature of 20.2 degrees C from continu 0.25).							
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show the week ending 7-29-1998, with a maximum daily temperature of 21.8 degrees C from contin 0.2).							
20	35026	5	N	SITKUM RIVER	PY49WZ	3.428	28N	12W	12	Temperature	Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) show the week ending 7-31-1998, with a maximum daily temperature of 19.6 degrees C from contin	/ a 7-day n luous mea	nean of	maximur	m daily	temperature of 18.6 1998 at RM 2.8 (sta	degrees C on	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility
that hum	an			,,,,,,,,,,							activities contributed to the excursion(s).
20	1 1 1 2 4	E	NI	SIWASH CREEK	NT44! 0	0.040	2011	45147	24	Disastrust	· · ·
20	14131	5	N		NT44LS			15W		Dissolved ox	,,
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station Siwash (day: 10/8/2002.	U.U snows	1 samp	ne beyon	a the c	criterion collected on	tne following	Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 42875 (cat 2)kk
				Meyer and Brinkman, 2001, show 2 excursions beyond the criterion in 1993 and 1994.							

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis			Remarks
20	5824	5	N	SOLEDUCK RIVER	EC91QM 93.129 29N 09W 32	рН	Water
				National Park Service data from the STORET database station OLYM_NPS_SD1 (SOL DUC the criterion out of 3 samples collected between 01/93 - 12/97.	RIVER UPSTREAM FROM RESORT) shows 0 excu	rsions beyond	High pH.
high				·			This may be a natural condition. It is unclear whether the
				National Park Service data from the STORET database station OLYM_NPS_SD2 (SOL DUC	RIVER AT THE RESORT TRAILER PARK) shows 2	excursions	pH readings are the result of anthropogenic sources or due
to				beyond the criterion out of 3 samples collected between 01/93 - 12/97.			natural geothermal activity. More study is needed.
				National Park Service data from the STORET database station OLYM_NPS_SD3 (SOL DUC excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.	RIVER AT HOT SPRINGS RESORT POOL OUTLET) shows 3	
				National Park Service data from the STORET database station OLYM_NPS_SD4 (SOL DUC beyond the criterion out of 3 samples collected between 01/93 - 12/97.	RIVER AT THE RESORT CONCRETE BRIDGE) sho	ows 1 excursion	s
				National Park Service data from the STORET database station OLYM_NPS_SD5 (SOL DUC excursions beyond the criterion out of 3 samples collected between 01/93 - 12/97.	RIVER 800M DOWNSTREAM FROM RESORT BRI	OGE) shows 0	
20	7723	5	Υ	SOLEDUCK RIVER	EC91QM 1.511 28N 14W 17	Temperature	e Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond	the criterion out of 4 samples at RM 6.5 between 1992	2 and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7724	5	Υ	SOLEDUCK RIVER	EC91QM 9.856 28N 14W 11	Temperature	e Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond	the criterion out of 3 samples at RM 13 between 1992	and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7725	5	Υ	SOLEDUCK RIVER	EC91QM 21.809 29N 13W 28	Temperature	e Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond	the criterion out of 3 samples at RM 19 between 1992	and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7726	5	N	SOLEDUCK RIVER	EC91QM 27.025 29N 13W 16	Temperature	. Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond	the criterion out of 3 samples at RM 22.1 between 199	92 and 1995.	Continuous temperature measurements were taken, but
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 20A090 (Soleduck R nr Forks) s between 1993 - 2001	shows 0 excursions beyond the criterion out of 12 sam	ples collected	results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA I	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nforma	ation				Parameter	Medium
				Basis								Remarks
20	7727	5	Y	SOLEDUCK RIVER	EC91QM	30.7	66 2	29N	13W	10	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 2 excursions beyond	the criterior	n out o	of 2 sa	mples	s at RN	M 23.75 between 199	92 and 1995.	TRS was 29N-13W-09 on 1998 listkk
												Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	7728	5	Υ	SOLEDUCK RIVER	EC91QM	63.8	48 3	30N	11W	27	Temperature	Water
				Quileute Tribe data (submitted by Ron Figler-Barnes on 2/27/96) show 3 excursions beyond	the criterior	n out o	of 3 sa	amples	s at RN	M 44.9 between 1992	2 and 1995.	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
20	6752	5	N	SOUTH CREEK	VD52HL	0	2	29N	15W	10	Dissolved ox	ygen Water
				Streamkeepers of Clallam County data (submitted by Ed Chadd on 03/15/04), station South day: 10/8/2002.	0.0 shows 1	1 samp	ole be	yond	the cri	terion collected on th	ne following	Changed from Category 2 to Category 5 on 01/24/05 due to consolidation with Listing ID 42929 (cat 2)kk
				National Park Service data from the STORET database station OLYM_NPS_SOC (SOUTH 0 beyond the criterion out of 14 samples collected during 1993 and 1994.	CREEK UP	STRE	AM F	ROM	LAKE	OZETTE) shows 7 e	excursions	
				Meyer and Brinkman, 2001. show 7 excursions beyond the criterion in 1993 and 1994.								
20	6891	5	Y	SPLIT CREEK	FA00MP	3.75	9 2	27N	10W	34	Temperature	Water
				Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum	temperatur	e of 22	2.2 de	g. C c	during	1992.		Note: Location depicted on map and described by WASWIS ID and Lower Route Address is the closest mappable unit.
				Hatten, 1992, shows 47 excursions beyond the criterion in 1991.								SPLIT CREEK is actually a tributary from the southern edge of section 34, to the east of FISHER CREEKkk
20	6889	5	Υ	WILLOUGHBY CREEK	DQ24XR	0		27N	12W	25	Temperature	Water
20	0000	Ū	•	Hatten, 1992. , shows 16 excursions beyond the criterion in 1991. ; Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum	•						remperature	water
20	6896	_	V	WINFIELD CREEK	01/0770				40144		_	
20	0090	5	Y	Hoh Tribal data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum	GV87TG temperatur	-					Temperature	Water
21	6902	5	N	KALALOCH CREEK	OE71LO	1.28	5 2	24N	13W	03	Temperature	Water
				Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show a 7-day mean of daily maximum to	emperature	e of 16	6.6 de	g. C d	uring ′	1992.	•	

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Hoh Tribe data (submitted by Jim Hatten on 9/16/93) show 10 excursions beyond the criterion between 7/1/92 and 8/31/92.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
21	35040	5	N	MATHENY CREEK Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho on the week ending 8-16-2002, with a maximum daily temperature of 17.23 degrees C from 6 Matheny Creek).			naximur	n daily	temperature of 16.3		Water Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
21	35056	5	N	SAMS RIVER	EC82WV	2.603	24N	10W	05	Temperature	Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho the week ending 8-15-2001, with a maximum daily temperature of 17.5 degrees C from cont 2.3). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003 degrees C on the week ending 8-27-1999, with a maximum daily temperature of 17.1 degree (station ID RM 2.3).	inuous mea 3) show a 7	suremen -day mea	ts colle in of ma	cted in a	2001 at RM 2.66 (standard) at RM 2.66 (standard)	ation ID RM f 16.7	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
21	35060	5	N	SAMS RIVER	EC82WV	4.297	25N	10W	35	Temperature	Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho on the week ending 8-16-2002, with a maximum daily temperature of 18.48 degrees C from a Sams River I).							Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
21	35061	5	N	SAMS RIVER	EC82WV	14.303	24N	09W	05	Temperature	Water
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho on the week ending 8-29-2002, with a maximum daily temperature of 18.51 degrees C from a Sams River II). Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho the week ending 8-25-1999, with a maximum daily temperature of 12.8 degrees C from contact.	continuous wa 7-day r	measure	ments c	ollected m daily	d in 2002 at RM 8.97 temperature of 12.5	77 (station ID degrees C on	Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).
				9.2).							
				Olympic National Forest unpublished data (submitted by Dale Hom on 15 January 2003) sho the week ending 8-17-2001, with a maximum daily temperature of 15.1 degrees C from cont 8.1).							
22	7735	5	Υ	BLACK CREEK	SC15QZ	15.466	18N	07W	17	Temperature	Water
				Rashin and Graber, 1992. 7 excursions out of 12 samples (58%) collected in 7/90.							Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing

results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Category	y 98 List?	Waterbody Name Local Basis	ation Information P	arameter	Medium Remarks
22	12861 5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis et al. 1997 show 2 excursions beyond the National Toxic Rule criterion at station GHCDD-1 Davis 1998. show 1 excursion beyond the National Toxics Rule criterion out of 1 samples collected.	out of 2 samples collected in 1996.	4,4'-DDD	Water Lower Route Address was 0.00 on 1998 listkk EPA listed this waterbody based on State chronic standard
			Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 199 Drainage pesticide Contamination -2 samples exceeded the state criterion.			0.001 ug/l in 1998.
			Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples Davis, 1997. 2 samples exceeded the state standards from samples collected in 1994 and 1995.	collected at station GRAYCASR (DEPTH 1.5 FT) in	n 1995.	
22	40570 5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Coots (2003) show 1 excursion beyond the chronic criterion collected on 2 July 2002. Results from Chemical Analysis of Surface Water, Tissue, and Sediment Samples Collected in 1996. Ecology report, 1997, Assessemnt of Cranberry Bog Drainage pesticide Contamination -2			Water EPA listed this waterbody based on State chronic standard 0.001 ug/l in 1998
22 on	12851 5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, et al. 1998. show 5 excursions beyond the National Toxics Rule criterion out of 5 samples			Water Name changed from GRAYLAND CREEK to GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) 3/2/05kk WRIA changed from 26 to 22 on 6/3/05kk
22	8735 5	Y	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) AB55 Davis, 1997 - All but one sample exceeded the EPA recommended criterion from samples collected			Recent sampling shows that this water continues to be impaired for azinphos-Methyl (Boyd, ECY/SWRO, 2003). EPA listed this waterbody in 1998 based on EPA recommended criterion 0.01 ug/l, that is not adopted as a state standard.
22	14171 5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1) Davis, et al. 1998. show no excursions beyond the chronic criterion out of 5 samples collected at s	station GRAYCASR (DEPTH 1.5 FT) in 1995.	Chlorpyrifos	Water
			Davis et al. 1997 show no excursions beyond the chronic criterion at station GHCDD-1 out of 8 sa	amples collected in 1996.		

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Anderson and Davis, 2000. show 2 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998.

Anderson and Davis, 2000. show 4 excursions beyond the chronic criterion at station GHCDD-1 out of 5 samples collected in 1998.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis							Remarks
22	8736	5	Υ	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	AB55IV	0.017	15N	11W	06	Diazinon	Water
				Davis, 1997. show 25 out of 26 samples exceeded the EPA guidelines from samples collected	ed in 1994	and 1995					Recent sampling shows that this water continues to be impaired for diazinon (Boyd, ECY/SWRO, 2003).
											EPA listed this waterbody in 1998 based on EPA guidelines maximum acute - 0.08 ug/l, continuous chronic - 0.04 ug/l, that is not adopted as a state standard.
22	12531	5	N	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	AB55IV	0.017	15N	11W	06	Water Colum	nn Water
				Anderson and Davis, 2000. show 100% in-situ and laboratory mortality of Daphnia pulex at st	tation GHC	DD-1 in 1	998.			Bioassay	
23	41432	5	N	ALLEN CREEK	XO13OJ	0	16N	02W	06	Dissolved or	xygen Water
				Erickson, D. and Matthews, W., (2002), station BECM2.6T shows 1 sample exceeded the crit 2002.	terion in ye	ar 2003 a	ınd 2 sa	mples	exceeded the criterio	on in year	
23	41969	5	N	BEAVER CREEK	HA04TR	2.862	16N	02W	06	Ammonia-N	Water
				Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows a total of 15 samples in y criterion and a total of 7 samples in year s 1995, 1996, 1997, and 1998 exceeded the acute of		, 1996, 19	97, 199	8, 199	9, and 2000 exceeds	ed the chronic	
23	41970	5	N	BEAVER CREEK	HA04TR	5.686	16N	02W	08	Ammonia-N	Water
				Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows a total of 9 samples in year total of 2 samples in year 1998 exceeded the acute criterion.	ars 1996,	1997, 199	98, and	1999 €	exceeded the chronic	criterion and	
23	41430	5	N	BEAVER CREEK	HA04TR	2.862	16N	02W	06	Dissolved or	xygen Water
				Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows 2 samples exceeded the 2002.	criterion in	year 200	3 and 2	samp	les exceeded the crit	erion in year	
23	41431	5	N	BEAVER CREEK	HA04TR	5.686	16N	02W	08	Dissolved or	xygen Water
				Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows 2 samples exceeded the 2002.	criterion in	year 200	3 and 2	sampl	les exceeded the crit	erion in year	

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
23	9490	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows that 9 of 28 samples exceed Erickson, D. and Matthews, W., (2002), station BCGAGEUP shows that 5 of 9 samples exceed Sargeant et al. (2002) station BECM4.2 (BEAVER CK AT CASE RD) shows 1 excursions because at the samples and the samples are samples are samples and the samples are samples are samples are samples are samples are samples are samples and the samples are sampl	eed the criter	rion. iterion ou	t of 2 sa		s collected between		Water Changed from Category 2 to Category 5 on 01/14/05 due to consolidation with Listing IDs 41278 and 41279kk
23	41277	5	N	BEAVER CREEK Erickson, D. and Matthews, W., (2002), station BCGAGEDN shows that 12 of 28 samples ex	HA04TR exceed the cri	2.862 iterion.	16N	02W	06	рН	Water
23	9971	5	N	BERWICK CREEK Sargeant et al. (2002) station BERW1.7 (BERWICK CK AT BOROVEC RD) shows the geometric mean of 361 exceeds the criterion and that 53 % of the samples exceeds the percentile criterion.	002) station E	BERW1.7	(BERV	the crit	erion and that 67 % CK AT BOROVEC R	D) shows the	
23	6291	5	Y	BLACK LAKE Phase I State Clean Lakes Restoration Project grant awarded in1994 was declined by Thurs Recreational uses have been severely curtailed due to severe blue-green algae blooms. Co contact with algae. Area residents and resort operators report that frequency and longevity	omplaints ȟa	which ha	d applie made al	ed for the	he grant. Problems kin irritation after swi	imming from	
23 in	7748	5	N	CARLISLE LAKE Completed Phase I State Clean Lakes Restoration Project in 1985 - Problems Encountered: turbidity, fecal coliform bacteria.	BW57UE : Blue-green				nt inputs, aquatic ma	Fecal Colifo	

Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

the Phase I study - sediment removal/dredging, watershed nutrient management (dairy waste BMPs, stream bank

fencing).

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location Ir	nformatio	n				Parameter		Medium
				Basis								Remarks	
23	6328	5	N	CARLISLE LAKE	BW57UE	13N	01E	30			Total Phospi	norus	Water
in				Completed Phase I State Clean Lakes Restoration Project in 1985 - Problems Encountered:	Blue-greer	n algae, t	ributa	ry nutr	rient i	inputs, aquatic mad	rophytes, high	Completed Phase I	State Clean Lakes Restoration Project
in on				turbidity, fecal coliform bacteria.								1991: Moore, 1990	. Control measures implemented based
OII													sediment removal/dredging, watershed nt (dairy waste BMPs, stream bank
23	36354	5	N	CHEHALIS RIVER	DS29ZH	108.61	141	N 031	W 1	12	Dioxin		Tissue
				Era-Miller et al. 2002, show an excursion beyond the National Toxic Rule criterion in a 5 fish	composite	4 of Moun	tain w	hitefis	h fille	ets sampled in 1998	3.		
23	8741	5	Y	CHEHALIS RIVER	DS29ZH		141	N 021	w c	07	Total PCBs		Tissue
				Davis, et al 1995. edible mountain white fish tissue exceed the criterion.		3							
23	15915	5	N	CHEHALIS RIVER	DS29ZH	128.78	131	N 031	w c)2	Turbidity		Water
				Hallock, 2002. shows 4 excursions beyond the criterion out of 12 samples collected between station 23A160 (Chehalis R @ Dryad) and the downstream station 23A130 (Chehalis R @ C	1992 and 2 laquato).	7 2001 der	ived b	y the o	differ	ence between the ι	ıpstream		
23	12536	5	N	CHEHALIS RIVER, S.F.	AR82EA	9.238	121	N 04	w c	01	рН		Water
				Schlorff, 1999. show 6 excursions beyond the criterion out of 11 measurements made at the	Boistfort Ro	oad Brido	ge dur	ring 19	98-1	999.		Low pH	
				Schlorff, 1999. show 2 excursions beyond the criterion out of the difference of 6 measurement during 1998-1999.	its made at	the Bois	fort R	Road B	ridge	and the Wildwood	Road Bridge		
23	12537	5	N	CHEHALIS RIVER, S.F.	AR82EA	15.963	121	N 04	W 2	24	рН		Water
				Schlorff, 1999. show 4 excursions beyond the criterion out of 10 measurements made at the	Wildwood F	Road Brid	dge di	uring 1	1998-	1999.		Low pH	
23	36355	5	N	DILLENBAUGH CREEK	EV39SR	0.758	141	N 021	w a	38	Dioxin		Tissue
				Era-Miller et al. 2002, show an excursion beyond the National Toxic Rule criterion in a 5 fish	composite	of Cutth	roat T	rout fil	llets s	sampled in 1998.			
23	12534	5	N	LAKE CREEK	VY01TK	0	131	N 031	w a	30	рН		Water
				Schlorff, 1999. show 8 excursions beyond the criterion out of 12 measurements made at the	Curtis Hill F	Road Brid	dge dı	uring 1	998-	1999.		Low pH	
23	12535	5	N	LOST VALLEY CREEK	XQ54GH	0	121	N 04	w c)2	рН		Water
				Schlorff, 1999. show 8 excursions beyond the criterion out of 11 measurements made at the	Lost Valley	Road B	ridge (during	1998	3-1999.		Low pH	

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WRIA	Listing ID Categor	y 98 List?	Waterbody Name	Location Ir	nformation	n			Parameter		Medium
			Basis							Remarks	
23	35386 5	N	MILL CREEK	UR68OS	3.518	14N	03W	34	Temperature	•	Water
			Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19. daily temperature of 20.94 degrees C from continuous measurements collected on 19 July 1		C with we	ek end	ling on	22 July 1995, with a	maximum		
23	35940 5	N	MILL CREEK	UR68OS	1.417	13N	03W	03	Temperature	•	Water
			Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19. daily temperature of 21.56 degrees C from continuous measurements collected on 19 July 1		C with we	eek end	ling on	19 July 1995, with a	maximum		
23	12532 5	N	STEARNS CREEK	EV19TA	0.632	13N	03W	11	рН		Water
			Schlorff, 1999. show 9 excursions beyond the criterion out of 11 measurements made at the	Twin Oaks	Road Brid	dge dur	ing 19	98-1999.		Low pH	
			Schlorff, 1999. show 5 excursions beyond the criterion out of the difference of 5 measureme Road Bridge during 1998-1999.	nts made at	the Twin	Oaks F	Road E	Bridge and the Pleasa	ant Valley		
23	12533 5	N	STEARNS CREEK	EV19TA	4.406	13N	03W	24	рН		Water
			Schlorff, 1999. show 8 excursions beyond the criterion out of 12 measurements made at the	Pleasant Va	alley Roa	d Bridg	e durir	ng 1998-1999.		Low pH	
23	35393 5	N	STILLMAN CREEK	MQ11YB	0	12N	04W	02	Temperature	•	Water
			Sargeant (2001) show excursions beyond the criterion from continuous measurements colle	cted in 1998	3, 1999 ar	d 2000).				
23	35394 5	N	STILLMAN CREEK	MQ11YB	3.5	12N	04W	14	Temperature	•	Water
			Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 20 maximum daily temperature of 20.95 degrees C from continuous measurements collected or mean of maximum daily temperature of 20.52 degrees C with week ending on 27 August 19 continuous measurements collected on 10 August 1999. Sargeant (2001) unpublished data C with week ending on 5 August 2000, with a maximum daily temperature of 20.82 degrees	n 1 Septemb 99, with a m show a 7-da	oer 1998. aximum o ay mean o	Sarge: laily ter of maxi	ant (20 nperat mum c	001) unpublished data ure of 21.31 degrees daily temperature of 2	a show a 7-day s C from 20.59 degrees	/	
23	35395 5	N	STILLMAN CREEK	MQ11YB	5.639	12N	04W	23	Temperature)	Water
			Sargeant (2001) show excursions beyond the criterion from continuous measurements collections	cted in 1998	s, 1999 ar	d 2000).		·		
23	35396 5	N	UNNAMED CREEK	IP53AA	0	16N	01W	27	Temperature	•	Water
			Sargeant (2001) unpublished data show a 7-day mean of maximum daily temperature of 19. daily temperature of 19.43 degrees C from continuous measurements collected on 23 August		C with we	ek end	ling on	23 August 2000, wit	h a maximum		

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WRIA L	isting ID Cate	egory	98 List?	Waterbody Name	Location Ir	formation	1			Parameter	Medium
				Basis							Remarks
24	6685	5	Υ	COLUMBIA RIVER	NN57SG	46124D	0A3	46.305	124.035	Fecal Colifo	rm Water
				Hallock and Ehinger, 1993., excursions beyond criteria at Ilwaco Marina, from 9/92 to 12/92	.,						Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
24	8746	5	N	COLUMBIA RIVER	NN57SG	46124C	015	46.285	124.055	Total PCBs	Tissue
				Johnson and Davis, 1996. excursion beyond the National Toxics Rule criterion (PCB-1254) c Canby State Park Boat Launch.	alculated fo	or tissue ir	n musse	el samp	les collected in 199	95 from Fort	
24	6912	5	Υ	ELKHORN CREEK	ZR45OU	1.969	15N	09W	24	Temperature	e Water
				Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mea	n of daily m	aximum t	empera	ature of	19.8 deg. C during	1997.	
24	9983	5	N	FALLS CREEK	NA93NI	0	12N	07W	11	Fecal Colifo	rm Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (FALLS CK ABV RETREAT CENTER) shows the geometric mean of 47 does not exceed the criterion from 8 samples collected during 1998.							
24	9984	5	N	FERN CREEK	CO94AN	0	12N	07W	03	Fecal Colifo	rm Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (FERN CREEK AT ELK PRAIRIE RD) shows the geometric mean of 199 exceeds the criteric 15 samples collected during 1998.							
24	6867	5	N	FERN CREEK	CO94AN	0.732	12N	07W	02	Temperature	e Water
				Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 14 (Fern Creek at Elk Prairie). Department of Ecology unpublished data from during 2001							

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Info	ormation			Parameter	Medium Remarks
24	6843	5	Y	FORK CREEK Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 9 (Fork Creek at State Hatchery). Department of Ecology unpublished data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Fork Creek) shows 1 excursions beyond the criterion measured on these dates: 98/08/04, Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER 1 (Willapa Fish Hatchery) shows 1 excursions beyond the criterion measured on these dates. Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 9a (Fork Creek abv State Hatchery). Department of Ecology unpublished data criterion during 2001 Washington Dept. of Fish and Wildlife data (submitted by Hal Michael on 14 September 1998 Willapa Hatchery.	R TMDL FOR R TMDL FOR : 98/08/04, of daily maxi ta from the Wi	mum value pa TMDL S FECALS A FECALS A mum value	AND DIS AND DIS AND DIS es of 17.6 L Study	1 for the week ending ows 4 excursions bey SOLVED OXYGEN): SOLVED OXYGEN): 6 for the week ending shows 4 excursions be	station FORK-1 station WFISH- 14 August beyond the	
24	6869	5	N	HALF MOON CREEK Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 12 (Half Moon Creek near mouth). Department of Ecology unpublished data criterion during 2001		mum value		6 for the week ending		. Water
24 data	6906	5	Y	JOE CREEK Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 23 excursion the A2700 Toad at the bridge 02 miles west of Highway 101 during1996.	XG35GL 2		6N 08V out of 129		Temperature Joe Creek off	'Continuous temperature measurements were taken, but were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
24 data	6907	5	Y	LITTLE NORTH RIVER Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 33 excursion Road, 0.1 miles west of Highway 101 during1996. Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean result.	·	e criterion o	out of 12	5 samples (26%) sou		
24 data	6909	5	Y	LITTLE NORTH RIVER Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 39 excursion Line, 200 feet above bridge during1996.	WU17DR 1			_	Temperature pur road off C-	

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Ν **MARTIN CREEK** 35307 5 FW86AP 0.566 15N 06W 28 Temperature Water

Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.78 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.85 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.5 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 20.5 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.6 degrees C from continuous measurements collected in 1996.

Port Blakely Tree Farms unpublished data from station M1 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station M2 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.6 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.49 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.4 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.2 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.3 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station M4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.1 degrees C from continuous measurements collected in 1996.

Port Blakely Tree Farms unpublished data from station M2* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.25 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M2* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.3 degrees C from continuous measurements collected in 2001.

35312 5 Ν MARTIN CREEK 24 FW86AP 5.226 15N 06W 35 Water Temperature

Port Blakely Tree Farms unpublished data from station M8* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.68 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station M8* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 13.72 degrees C from continuous measurements collected in 2001.

Port Blakely Tree Farms unpublished data from station M8 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

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Data is only available in hardcopy format. The water

segment is listed as Category 5 based on the 1998

assessment.

Seyferlich and Joy, 1993., multiple excursions beyond the criterion at DOH station 8 in the North River Commercial Shellfish Area between 10/88 and 4/90.

This station is no longer sampled by Department of Health to determine classification status in

WRIA	Listing ID Catego	ory 9	98 List?	Waterbody Name		Location Information						Medium
				Basis							Remarks	
24	6691	5	Υ	NORTH RIVER	WU17DR	4.432	15N	10W	1 23	Fecal Colifo	rm	Water
				Seyferlich and Joy, 1993., multiple excursions beyond the criterion at DOH station 9 in the No station is no longer sampled by Department of Health to determine classification status in the	orth River (c	Commerc	cial She	llfish A	rea between 10/88	and 4/90. This		ole in hardcopy format. The water s Category 5 based on the 1998
24	6913	5	Υ	NORTH RIVER	WU17DR	46.255	16N	08W	/ 09	Temperature	•	Water
				Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mean	n of daily m	naximum	tempe	rature o	of 20.6 deg. C durin	ng 1997.		
24	6905	5	Y	NORTH RIVER, E.F.	QG10AL	0.092	16N	09W	1 29	Temperature)	Water
data				Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 10 excursions beyond the criterion out of 125 samples (13%) on the East Fork							'Continuous temperature measurements were taken, but	
data				North River 100 feet above A-Line Road during1996.								bmitted only in hardcopy form. The water s Category 5 based on the 1998
24	8751	5	Y	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	YF44AK	3.149	15N	11W	1 32	4,4'-DDD		Water
				Davis 1998. show 3 excursions beyond the National Toxics Rule criterion out of 3 samples collected at station PCDD-1 in 1996.							Davis 1998 basis moved from Listing ID 12861 to this listing on 01/21/05kk	
				Davis, 1997. 4 samples exceeded the state criterion from samples collected in 1994 and 1995.					EPA listed this water standard 0.001 ug/	erbody in 1998 based on State chronic I.		
24	8747	5	Υ	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	YF44AK	3.149	15N	11W	1 32	Azinphos-M	ethyl	Water
				Davis, 1997. 21 out of 26 samples exceeded the EPA recommended criterion from samples collected	cted in 1994 and 1995				Recent sampling shows that this water continues to be impaired for azinphos-Methyl (Boyd, ECY/SWRO, 2003).			
												erbody in 1998 based on EPA erion 0.01 ug/l, that is not adopted as a
24	8749	5	Υ	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	YF44AK	3.149	15N	11W	1 32	Chlorpyrifos	3	Water
				Davis 1997. shows 17 out of 26 samples exceeded the state standard standards from samples collected in 1994 and 1995.							EPA listed this waterbody in 1998 based on State acute standard - 0.083 ug/l, State chronic standard - 0.041 ug/l.	
				Davis 1998. show no excursions beyond the chronic criterion out of 3 samples collected at st	ation PCD	D-1 in 19	996.			Standard 5.000 dg/l, State Silvino Standard 50.041 dg/l.		
24	40571	5	Υ	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	YF44AK	4.931	15N	11W	<i>l</i> 29	Chlorpyrifos	s	Water
				Coots (2003) show excursions beyond the chronic criterion collected on 18 July 2002 and 1 Aug 2002.			02.				TRS was 15N-11W-32 on 1998 listkk	

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	Informatio	n			Parameter	Medium
				Basis							Remarks
24	8748	5	Υ	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	YF44AK	3.149	15N	11W	32	Diazinon	Water
				Davis, 1997. show 17 out of 25 samples exceeded the EPA guidelines from samples collections.	ted in 1994	and 1995	j.				Recent sampling shows that this water continues to be impaired for diasinon (Boyd, ECY/SWRO, 2003).
											EPA listed this waterbody in 1998 based on EPA guidelines maximum acute - 0.08 ug/l, continuous chronic - 0.04 ug/l, that is not adopted as a state standard.
24	35926	5	N	RAIMIE CREEK	PY40HQ	2.061	15N	06W	16	рН	Water
				Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on measurements collected in 2001-2002.	10 Deceme	eber 2002) shows	s 3 exc	ursions beyond	the criterion from 3	Low pH
24	35306	5	N	RAIMIE CREEK	PY40HQ	2.061	15N	06W	16	Temperatur	e Water
				Port Blakely Tree Farms unpublished data from station LR1 (submitted by Blake Murden on of 18.26 degrees C from continuous measurements collected in 2002. Port Blakely Tree Fa on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 17.13 degrees C Farms unpublished data from station LR1 (submitted by Blake Murden on 10 Decemeber 20 from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data 2002) shows a 7-day mean of daily maximum values of 16.9 degrees C from continuous me data from station LR1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day measurements collected in 1998. Port Blakely Tree Farms unpublished data from station L day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 2001-2002.	rms unpubl from contin 002) shows ta from stat asurements mean of dai R1 (submitt cted in 1990	ished data luous mea a 7-day n ion LR1 (s s collected ily maximated by Bla 6.	a from s asurement nean of submitted in 199 um valu ke Mure	station ents co daily n ed by E 99. Por les of 2 den on	LR1 (submitted llected in 2001. naximum values lake Murden or t Blakely Tree F 0.1 degrees C 1 10 Decemeber	by Blake Murden Port Blakely Tree of 17.9 degrees C 10 Decemeber Farms unpublished from continuous 2002) shows a 7-	
24	35880	5	N	RAIMIE CREEK, RIGHT FORK	KM97FX	4.506	15N	06W	02	рН	Water

Port Blakely Tree Farms unpublished data from station UR2 (submitted by Blake Murden on 10 December 2002) shows 3 excursions beyond the criterion from 4 Low pH measurements collected in 2001-2002.

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Basis

Ν REDFIELD CREEK 35314

DC21FZ 1.53 15N 06W 22 **Temperature** Water

Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.96 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 Decemeber 2002) shows a 7-day mean of daily maximum values of 16.8 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.9 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.6 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.8 degrees C from continuous measurements collected in 1997.

Port Blakely Tree Farms unpublished data from station R1 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station R2 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station R2* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.37 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R2* (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.57 degrees C from continuous measurements collected in 2001.

REDFIELD CREEK 35316 5 Ν 24

DC21FZ 2.613 15N 06W 15

Temperature

Water

Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.55 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.98 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.6 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 19.2 degrees C from continuous measurements collected in 1997.

Port Blakely Tree Farms unpublished data from station R4 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

9989 RIVERDALE CREEK

IH25UI 14N 09W 24 **Fecal Coliform**

Water

Data from the Dept, of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station RAYSW-3 (RIVERDALE CREEK AT LIONS CLUB PARK) shows the geometric mean of 2914 exceeds the criterion and that 92 % of the samples exceeds the percentile criterion from 12 samples collected during 1998.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location Ir	nformation	n			Parameter	Medium
				Basis							Remarks
24	6911	5	Υ	SALMON CREEK, UPPER	UR98MB	0	16N	W80	09	Temperatu	re Water
				Shoalwater Indian Tribal data (submitted by Michael Pollock on 10/30/97) show a 7-day mea	in of daily m	aximum t	empera	ature of	f 19.7 deg. C d	uring 1997.	
24	3779	5	Y	SMITH CREEK	VP01ZH	35.381	15N	W80	23	Temperatu	re Water
				Sullivan, et al. 1990, 27 excursions beyond the criterion measured during 1988.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
24	35320	5	N	SULLIVAN CREEK	HP04GB	0.198	-	06W	-	Temperatu	re Water

Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.67 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 13.16 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.8 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 18.6 degrees C from continuous measurements collected in 1998. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7day mean of daily maximum values of 17.4 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 17.2 degrees C from continuous measurements collected in 1996.

Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station SC2 (submitted by Blake Murden on 10 December 2002) shows no excursions beyond the criterion from measurements collected in 2001-2002.

Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.02 degrees C from continuous measurements collected in 2002. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 14.46 degrees C from continuous measurements collected in 2001. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 14.4 degrees C from continuous measurements collected in 2000. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 15.3 degrees C from continuous measurements collected in 1999. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1997. Port Blakely Tree Farms unpublished data from station SC1 (submitted by Blake Murden on 10 December 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1996.

UNNAMED CREEK 9995 Ν AX11QJ 0 14N 09W 28 **Fecal Coliform** Water

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station SBSW-2 (Creek @ Coast Seafood) shows the geometric mean of 911 exceeds the criterion and that 82 % of the samples exceeds the percentile criterion from 11 samples collected during 1998.

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
24 data	6908	5	N	UNNAMED CREEK Weyerhaeuser Company data (submitted by Michael Pollock on 10/30/97) show 34 excursion	WU17DR 20.141 16N 09W 33 s beyond the criterion out of 70 samples (48%) at a to	Temperature	
				North River at the end of C300 Road, approximately 0.2 miles up from the confluence during	1996.		were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
24	6689	5	Υ	WILLAPA BAY	390KRD 46123H8A4 46.705 123.845	Fecal Colifor	m Water
				Seyferlich and Joy, 1993. , multiple excursions beyond the criterion at DOH station 5 in the station is no longer sampled by Department of Health to determine classification status in the		and 6/91. This	Data from Seyferlich and Joy, 1993 is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
				Department of Health Annual Growing Area Review station BRUCEPORT-97 shows a geometric sample collected on 12/03/2001.	etric mean of 9.4 cfu/100mL and a 90th percentile value	ue of 51 with the	
24	9511	5	N	WILLAPA RIVER	YN05JR 14N 09W 24	Dissolved ox	xygen Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Johnson SI) shows 1 excursions beyond the criterion measured on these dates		station WRJS-1	TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER AL1 (WILLAPA R AT JOHNSON SL) shows 0 excursions beyond the criterion out of 1 samp		station WRJS-	Report).
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER AR1 (WILLAPA R AT JOHNSON SL) shows 0 excursions beyond the criterion out of 3 samples.		station WRJS-	
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA003 (Willapa Bay - W of 85 samples collected between 1993-2000	illapa R. John. Slough) shows 3 excursions beyond the	ne criterions out	
24	10352	5	Υ	WILLAPA RIVER	YN05JR 10.268 14N 09W 24	Dissolved ox	xygen Water
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA001 (Willapa Bay - W 89 samples collected between 1993-2000	illapa R. Raymond) shows 12 excursions beyond the	criterions out of	TMDL is in progress, data for current study show exceedances (Unpublished data from Ecology 2000, Willapa River Total Maximum Daily Load Study Data Summary
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER	TMDL FOR FECALS AND DISSOLVED OXYGEN) s	tation WRRA-1	Report).

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRA-1 Report). (Willapa R at Raymond (nr Port)) shows 6 excursions beyond the criterion measured on these dates: 98/05/05, 98/05/27, 98/07/31, 98/08/05, 98/09/02, 98/11/04

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRA-AL1 (WILLAPA R AT RAYMOND (NR PORT)) shows 5 excursions beyond the criterion measured on these dates: 98/05/27, 98/06/17, 98/07/15, 98/10/06, 98/10/07,

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRA-AR1 (WILLAPA R AT RAYMOND (NR PORT)) shows 1 excursions beyond the criterion measured on these dates: 98/10/06,

A review of the salinity data for station WPA001 by Pickett (1998) shows that 95% of the vertically-averaged salinity measurements are below 24.4 ppt, and about 26% of the measurements are below 10 ppt, so the marine standards should apply for station WPA001.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformation	า			Parameter	Remarks	Medium				
24	14882	5	N	WILLAPA RIVER	YN05JR					Dissolved o	, ,	Water				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R below S Bend) shows 4 excursions beyond the criterion measured on these date	s: 98/09/02	2, 98/08/05	5, 98/07	7/31, 98	8/05/05		exceedances (Unp River Total Maximu	s, data for current study show ublished data from Ecology 2000, Willapa um Daily Load Study Data Summary				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R below S Bend) shows 1 excursions beyond the criterion measured on these date			S AND	DISS	OLVED OXYGEN) s	station WRSB-1	Report).					
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R below S Bend) shows 1 excursions beyond the criterion measured on these date			S AND	DISS	OLVED OXYGEN) s	station WRSB-1						
24	14951	5	N	WILLAPA RIVER	YN05JR	56.69	12N	07W	04	Dissolved of	xygen	Water				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Lebam) shows 0 excursions beyond the criterion out of 4 samples collected be			S AND	DISSO	DLVED OXYGEN) sta	ation WRLE-1	exceedances (Unp	ss, data for current study show ublished data from Ecology 2000, Willapa um Daily Load Study Data Summary				
43026.												cause it errantly identified the location as rugh" and "at Lebam". See Listing ID				
43020.											01/06/05 -kk					
24	14952	5	N	WILLAPA RIVER	YN05JR	12.229	14N	W80	19	Dissolved of	xygen	Water				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R at Hwy 101 Bridge) shows 4 excursions beyond the criterion measured on these						station WRHY-1	exceedances (Unp	s, data for current study show ublished data from Ecology 2000, Willapa um Daily Load Study Data Summary				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R at Hwy 101 Bridge) shows 1 excursions beyond the criterion measured on these			S AND	DISS	OLVED OXYGEN) s	station WRHY-1		2011 0100, 2011 001111111,				
24	14961	5	N	WILLAPA RIVER	YN05JR	22.415	14N	08W	27	Dissolved o	xygen	Water				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R at Willapa Road) shows 2 excursions beyond the criterion collected on 98/09/02			S AND	DISS	OLVED OXYGEN) s	station WRWI-1	exceedances (Unp	ublished data from Ecology 2000, Willapa				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVEI (Willapa R at Willapa Road) shows 0 excursions beyond the criterion out of 4 samples college.					OLVED OXYGEN) s	station WRWI-1	River Total Maximum Daily Load Study Data Summary WI-1 Report).					
24	43026	5	N	WILLAPA RIVER	YN05JR	14.735	14N	08W	20	Dissolved o	xygen	Water				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R near Ellis Slough) shows 4 excursions beyond the criterion measured on these databases.						ation WREL-1	exceedances (Unp	s, data for current study show ublished data from Ecology 2000, Willapa um Daily Load Study Data Summary				
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R near Ellis Slough) shows 1 excursions beyond the criterion measured on this date			S AND	DISSO	DLVED OXYGEN) sta	ation WREL-1		and Jan Jan Start Bala Summary				
				Comments and the control of the cont	55, 50, 52.	-						0 14951 on 01/06/05. Previous listing ed listings near Ellis Slough with listings				

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Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRRA-AR1 (WILLAPA R AT RAYMOND (NR PORT)) shows the geometric mean of 29 does not exceed the criterion and that 17 % of the samples exceeds the percentile criterion from 30 samples collected during 1998.

Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 17 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1992. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 15 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 1993. Newton et al. (1998) Dept. of Ecology Ambient Monitorina Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 19 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 33 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1995. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 37 exceeds the marine criterion and that 11% of the samples does not exceed the percentile criterion from 9 samples collected during 1996. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 40 exceed the marine criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1997. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 22 exceeds the marine criterion and that 11% of the samples does not exceed the percentile criterion from 9 samples collected during 1998. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 7 does not exceed the marine criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1999. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA001 (Willapa Bay - Willapa R. Raymond) shows a geometric mean of 16 exceeds the marine criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.

24 10000 5 N WILLAPA RIVER YN05JR 12.229 14N 08W 19 Fecal Coliform Water

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRHY-AR1 (WILLAPA R AT HWY 101 BRIDGE) shows the geometric mean of 34 does not exceed the criterion and that 14 % of the samples exceeds the percentile criterion from 28 samples collected during 1998.

24 10001 5 N WILLAPA RIVER YN05JR 22.415 14N 08W 27 Fecal Coliform Water

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRWI-1 (Willapa R at Willapa Road) shows the geometric mean of 69 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 29 samples collected during 1998.

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24 10002 5 N WILLAPA RIVER

YN05JR 28.147 13N 08W 52

Fecal Coliform

Water

Hallock (2004), Dept. of Ecology ambient station 24B090 shows 3 of 4 samples (75%) in year 2001 exceeded the percentile criterion and 2 of 12 samples (16.7%) in year 2002 exceeded the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 80 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 102 exceeds the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 77 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1998.

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRC1-1 (Willapa R at Camp One Rd) shows the geometric mean of 77 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 35 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 87 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 97 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 6 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 77 does not exceed the criterion and that 36% of the samples exceeds the percentile criterion from 11 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (Willapa R. near Willapa) shows a geometric mean of 371 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1994.

24 10003 5 N WILLAPA RIVER

YN05JR 34.991 13N 08W 14

Fecal Coliform

Water

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRMN-1 (Willapa R at SR 6 nr Menlo) shows the geometric mean of 101 exceeds the criterion and that 27 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.

24 10004 5 N WILLAPA RIVER

YN05JR 41.711 13N 08W 48

Fecal Coliform

Water

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WROX-1 (Willapa R at Oxbow Road) shows the geometric mean of 70 does not exceed the criterion and that 20 % of the samples exceeds the percentile criterion from 15 samples collected during 1998.

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WRI	A Listing ID C	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis						Remarks	
24	10006	5	Υ	WILLAPA RIVER	YN05JR	56.69	12N	07W	04	Fecal Coliform	Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Lebam) shows the geometric mean of 140 exceeds the criterion and that 38% collected during 1998.							
24	10007	5	N	WILLAPA RIVER	YN05JR	59.129	12N	07W	03	Fecal Coliform	Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Swiss Picknik Rd) shows the geometric mean of 184 exceeds the criterion and samples collected during 1998.							
24	10013	5	N	WILLAPA RIVER	YN05JR	14N	09W 2	24		Fecal Coliform	Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER AL1 (WILLAPA R AT JOHNSON SL) shows the geometric mean of 6 does not exceed the cr from 24 samples collected during 1998.							

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRJS-AR1 (WILLAPA R AT JOHNSON SL) shows the geometric mean of 9 does not exceed the criterion and that 19 % of the samples exceeds the percentile criterion from 26 samples collected during 1998.

Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 3 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 11 does not exceed the criterion and that 22% of the samples exceed the percentile criterion from 9 samples collected during 1995. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1996. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1997. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 4 does not exceed the criterion and that 25% of the samples exceed the percentile criterion from 8 samples collected during 1998. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 2 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1999. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station WPA003 (Willapa Bay - Willapa R. John. Slough) shows a geometric mean of 4 does not exceed the criterion and that 12% of the samples exceed the percentile criterion from 8 samples collected during 1999. Newton et al. (1998)

24 6844 5 N WILLAPA RIVER YN05JR 49,716 12N 08W 01 Temperature Water

Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean of daily maximum values of 19.9 for the week ending 14 August 2001 at station 8 (Willapa R abv Trap Creek). Department of Ecology unpublished data from the Willapa TMDL Study shows 8 excursions beyond the criterion during 2001

Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER TMDL FOR FECALS AND DISSOLVED OXYGEN) station WRTR-1 (Willapa R abv Trap Creek) shows 0 excursions beyond the criterion out of 12 samples collected between 04/98 - 12/98.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	1			Parameter	Remarks	Medium
24	6847	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 6 (Willapa R at SR6 nr Holcom). Department of Ecology unpublished data from criterion during 2001	YN05JR of daily moments of the Will	45.265 aximum va apa TMDI	alues o	f 20.7	for the week endin	Temperatur g 14 August eyond the	e	Water
24	6849	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 4 (Willapa R at Oxbow Road). Department of Ecology unpublished data from the Willapa TMDL Study shows 25 excursions Data from the Department of Ecology EIM database for the Project WRTMDL01 (WILLAPA WROX-1 (Willapa R at Oxbow Road) shows 1 excursions beyond the criterion measured on	beyond th	e criterion	alues o during ECALS	f 21.2	for the week endin		e	Water
24	6851	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 3 (Willapa R at SR 6 nr Menlo). Department of Ecology unpublished data from during 2001 Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on these database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on the same for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on the same for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on the same for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions beyond the criterion measured on the same for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at SR 6 nr Menlo) shows 3 excursions which we will show the will sh	m the Willa	aximum va apa TMDL DR FECAL	alues o Study	f 21.3 shows	for the week endin 37 excursions bey OLVED OXYGEN	ond the criterior	1	Water
24	6861	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 2 (Willapa R. abv Mill creek). Department of Ecology unpublished data from the during 2001			alues o	f 23.1	for the week endin		е	Water
24	6866	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 15 (Willapa R at Swiss Picknik). Department of Ecology unpublished data froduring 2001		aximum va	alues o	f 18.2	for the week endin			Water
24	6868	5	N	WILLAPA RIVER Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 13 (Willapa R. abv Halfmoon Cr). Department of Ecology unpublished data ficriterion during 2001 Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER 1 (Willapa R at Swiss Picknik Rd) shows 0 excursions beyond the criterion out of 12 samples	rom the Wi	aximum va llapa TMD	alues o L Stud S AND	f 19.8 y show	for the week endings 20 excursions both	eyond the		Water

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter		Medium
				Basis							Remarks	
24	6870	5	N	WILLAPA RIVER	YN05JR	56.69	12N	07W	V 04	Temperature	•	Water
43027.				Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 11 (Willapa R at Lebam). Department of Ecology unpublished data from the								cause it errantly identified the location as ugh" and "at Lebam". See Listing ID
40027.				2001.							01/06/05 -kk	
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Lebam) shows 0 excursions beyond the criterion out of 12 samples collected by				DISS	OLVED OXYGEN) s	tation WRLE-1		
24	6871	5	N	WILLAPA RIVER	YN05JR	52.59	13N	07W	V 32	Temperature	•	Water
				Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 10 (Willapa abv Fork at Doyle). Department of Ecology unpublished data from during 2001	n of daily ma m the Willa	aximum v pa TMDL	values o ₋ Study	of 19.5 shows	for the week ending s 15 excursions beyo	13 August and the criterion		
24	6872	5	Υ	WILLAPA RIVER	YN05JR	28.147	7 13N	V80	V 52	Temperature	•	Water
				Department of Ecology unpublished data from the Willapa TMDL Study shows a 7-day mean 2001 at station 1 (Willapa R at Camp One Rd). Department of Ecology unpublished data from during 2001.								
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 16 degrees C, with a measurements collected in 1998 at Mad River above Berg Creek.	naximum da	aily tempo	erature	of 16.	9 degrees C from co	ntinuous		
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R at Camp One Rd) shows 5 excursions beyond the criterion measured on these databases.								
				Dept. of Ecology unpublished data from core ambient monitoring station 24B090 (Willapa R. for mid-week 11 August 2001.	near Willap	oa) show	vs a 7-c	day me	ean of daily maximun	n values of 22		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 24B090 (WILLAPA RIVER NEAl samples collected between 1993 - 2001	R WILLAPA	A) shows	s 3 exc	ursions	s beyond the criterion	out of 41		
24	43027	5	N	WILLAPA RIVER	YN05JR	14.735	5 14N	W80	V 20	Temperature	:	Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (Willapa R near Ellis Slough) shows 2 excursions beyond the criterion measured on these databases.				DISS	OLVED OXYGEN) s	tation WREL-1		0 6870 on 01/06/05. Previous listing and listings near Ellis Slough with listings
24	14916	5	N	WILLAPA RIVER, S.F.	IK15OR	1.439	14N	W80	V 19	Dissolved or	cygen	Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (South Fork Willapa R @ 101 Br) shows 4 excursions beyond the criterion measured on these contents of the project will be a supplied to the project with the project will be a supplied to the suppli						station SFRK-1		s, data for current study show ett, ECY/EAP 11/03).
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER (South Fork Willapa R @ 101 Br) shows 3 excursions beyond the criterion measured on these contents of the project with the pr						station SFRK-1		

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformatio	n				Parameter	Medium
				Basis								Remarks
24	10009	5	N	WILSON CREEK	RX96AH	0	14N	08W	27		Fecal Colifor	rm Water
				Data from the Dept. of Ecology EIM database for the Project WRTMDL01 (WILLAPA RIVER 1 (Wilson Creek) shows the geometric mean of 89 does not exceed the criterion and that 29 collected during 1998.								
25	35175	5	N	ABERNATHY CREEK	AP47TF	5.237	09N	04W	26		Temperature	. Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) : C, with a maximum daily temperature of 20.7 degrees C from continuous measurements colle							8.8 degrees	
25	35254	5	N	ABERNATHY CREEK	AP47TF	1.725	08N	04W	03		Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003): C, with a maximum daily temperature of 20.1 degrees C from continuous measurements colle							8.6 degrees	
25	35255	5	N	ABERNATHY CREEK	AP47TF	0.557	08N	04W	39		Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003): C, with a maximum daily temperature of 20 degrees C from continuous measurements collect						emperature of 1	8.5 degrees	
25	35178	5	N	COAL CREEK	NP34OX	1.271	08N	03W	10		Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003): C, with a maximum daily temperature of 20.5 degrees C from continuous measurements college.							9.2 degrees	
25	35180	5	N	COAL CREEK	NP34OX	7.58	09N	03W	27		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003): C, with a maximum daily temperature of 20.5 degrees C from continuous measurements college.							8.8 degrees	
25	8768	5	Υ	COLUMBIA RIVER	NN57SG	461230	7H4	46.27	75	123.745	4,4'-DDE	Tissue
				Laflamme and Gilroy, 1996., excursions beyond the National Toxic Rule criterion in sturgeon	n fillets in 1	994 and	1995					The data used for the cited report (Tetra Tech, 1996) results from a composite of fish from many different locations. The lowest downstream station sampled (RM 20) is used for identifying the segment location.
25	8764	5	Υ	COLUMBIA RIVER	NN57SG	46123E	32E7	46.14	15	123.275	Dieldrin	Tissue
				Tetra Tech, 1993, 3 excursions beyond the national toxics rule criterion in the edible tissue of	f a individu	al White	Sturged	on at R	M 49.			
25	6697	5	Υ	COLUMBIA RIVER	NN57SG	46122E	89A5	46.10)5	122.955	Fecal Colifor	rm Water
				Hallock and Ehinger, 1993., excursions beyond criteria near Longview from 9/92 to 12/92.;								Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998

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assessment.

WRIA	Listing ID Categor	ory 98	Waterbody Name Basis	Location Ir	nformation			Parameter	Medium Remarks
25	3785	5 Y	COLUMBIA RIVER Tanner, et al. 1996, 55 excursions beyond the criterion out of 105 samples (52%) near Kalam		46122A8B5 996.	46.015	122.855	Temperature	Water EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
25 and	21537	5 N	COLUMBIA RIVER Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedant and 2003.		46123B0H8 numeric tempera	46.175 ture criteria	123.085 of 20°C at RM	Temperature 71.9 in 2002	
25	43540	5 Y	COLUMBIA RIVER Tanner, et al. 1996, 46 excursions beyond the criterion out of 110 samples (42%) at Wauna,		46123B4F0	46.155	123.405	Temperature	Water Split from Listing ID 3785 on 05/06/05kk
25	8765	5 Y	COLUMBIA RIVER Tetra Tech, 1993. 3 excursions beyond the national toxics rule criterion in the edible tissue of		46123B2E7 al White Sturgeon	46.145 n at RM 49.	123.275	Total PCBs	Tissue
25	8772	5 Y	COLUMBIA RIVER Laflamme and Gilroy, 1996. excursions beyond the National Toxic Rule criterion in sturgeon,		46123C5E5 and carp fillets in	46.245 1994 and 19	123.555 995.	Total PCBs	Tissue The data used for the cited report (Tetra Tech, 1996) results from a composite of fish from many different locations. The lowest downstream station sampled (RM 20) is used for

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lowest downstream station sampled (RM 29) is used for

identifying the segment location.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformat	ion				Parameter	Medium
				Basis								Remarks
25	8773	5	Υ	COLUMBIA RIVER	NN57SG	4612	3C7H4	46.27	75	123.745	Total PCBs	Tissue
				Laflamme and Gilroy, 1996. excursions beyond the National Toxic Rule criterion in Carp, Stu 1995.	rgeon, L. S	Sucker, (Chinook	, Coho a	and St	eelhead fillets i	n 1994 and	The data used for the cited report (Tetra Tech, 1996) results from a composite of fish from many different locations. The lowest downstream station sampled (RM 20) is used for identifying the segment location.
25	35253	5	N	CROOKED CREEK	UM89LU	12.00	5 10N	08W	36		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 20.3 degrees C from continuous measurements college.				ximum (daily te	emperature of 1	8.4 degrees	
25	35173	5	N	DELAMETER CREEK	EF94JD	1.674	09N	02W	17		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 21.5 degrees C from continuous measurements college.							9.9 degrees	
25	35252	5	N	DELAMETER CREEK	EF94JD	4.228	09N	02W	18		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) with a maximum daily temperature of 20.3 degrees C from continuous measurements collected							9 degrees C,	
25	34950	5	N	ELOCHOMAN RIVER	RE01VV	8.265	09N	05W	31		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) with a maximum daily temperature of 23 degrees C from continuous measurements collected						emperature of 2	1 degrees C,	
25	3791	5	Υ	GERMANY CREEK	OF50GD	12.88	8 09N	03W	06		Temperature	Water
				Sullivan et al 1990., 8 excursions beyond the criterion in 1988.								Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
25	35171	5	N	GERMANY CREEK	OF50GD	3.047	08N	04W	41		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) with a maximum daily temperature of 21.8 degrees C from continuous measurements collected						emperature of 2	0 degrees C,	
25	35176	5	N	GERMANY CREEK	OF50GD	0.903	08N	04W	12		Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 20.6 degrees C from continuous measurements college.							9.2 degrees	

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WR	IA I	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformatio	า			Parameter		Medium
					Basis							Remarks	
2	5	35177	5	N	GRAYS RIVER	EU11ZS	33.433	11N	06W	31	Temperature		Water
					Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 20.6 degrees C from continuous measurements coll						19.1 degrees		
2	5	35258	5	N	GRAYS RIVER	EU11ZS	23.177	10N	07W	08	Temperature		Water
					Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 19.7 degrees C from continuous measurements coll						18.5 degrees		
2	5	35179	5	N	GRAYS RIVER, S.F.	UU86ON	0	11N	06W	31	Temperature		Water
					Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2002 at South Fork Grays River.								
2	5	7783	5	Υ	LONGVIEW DITCHES	FQ06HT	6.62	07N	02W	03	Dissolved ox	ygen	Water

DO

stations 2 and 3 on 1/26/83.

to

Cusimano, 1993, 2 excursions beyond criterion at stations A and B on 9/14/92 and 11/16/92. Singleton and Bailey, 1983, 1 excursion beyond the criterion at both During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for

statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

be impaired. (Braley, ECY/WQP, 2003). City of Longview analysis from Bob Gregory dated 12 December 2002 suggests the low oxygen concentration is a natural condition due to groundwater infiltration and iron concentrations. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location In	forma	tion			1	Parameter	Medium
				Basis								Remarks
25	10437	5	N	LONGVIEW DITCHES Weyerhaeuser Company unpublished data show the geometric mean criterion was exceeded 2002.		0.803 and the		l 02			Fecal Colifor	
				Cusimano, 1993. station LKD-I (Longview-Kelso Ditches (I)) shows 1 single samples exceed	the geomet	tric me	an criter	ion ou	ut of	2 samples collected	l during 1992.	
25	34953	5	N	MONAHAN CREEK	OR23DO	0	09N	02	w	18	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 19.3 degrees C from continuous measurements coll							8.5 degrees	
25	7789	5	N	SACAJAWEA LAKE	837NAY	08N	02W	33			Fecal Colifor	m Water
5				Completed Phase I Federal Clean Lakes Restoration Project in 1976- Problems Encountered	d: Blue-gree	en alga	ae, high	turbid	dity, I	ow dissolved oxyge	n, aquatic	Completed Phase II Federal Clean Lakes Restoration
Project				macrophytes, sediment phosphorus recycling, storm water, low transparency, fecal coliform	bacteria.							in 1987:Gibbs, et al. 1987.Control measures implemented
				O'Neal et al. (2001) shows 2 sample above the criterion out of 2 samples.								based on the Phase I Study - sediment removal/dredging, dilution/flushing, diversion, structural storm water controls, aquatic macrophyte harvesting, public education.
												Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
25	35174	5	N	SKAMOKAWA CREEK	NR88FK	2.973	3 09N	l 06	w	05	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 21.1 degrees C from continuous measurements coll							9.9 degrees	
25	34949	5	N	UNNAMED CREEK	PC25OL	1.811	1 09N	03	w	21	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 25.7 degrees C from continuous measurements coll							3.4 degrees	
25	35170	5	N	UNNAMED CREEK	PC25OL	0	09N	03	w	28	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 22.1 degrees C from continuous measurements coll	show a 7-da ected in 200	ay mea 02 at U	an of ma Jnnamed	ximur I Tribu	m da utary	aily temperature of 20 - Middle.	0.5 degrees	
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 18.9 degrees C from continuous measurements coll							7.8 degrees	
25	35172	5	N	WILSON CREEK	TE30VO	0.4	09N	06	W	04	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 21.6 degrees C from continuous measurements coll							9.9 degrees	

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location	Informatio	n			Parameter	Medium
				Basis							Remarks
26	22184	5	N	1918 CREEK	MJ08JW	0.003	11N	07E	34	Temperatur	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2002 at the station called '1918						alue of 18.7	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2001 at the station called '1918						alue of 19	
26	34976	5	N	ARKANSAS CREEK	WF06LS	2.801	09N	02W	09	Temperatur	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 23 degrees C from continuous measurements colle						of 21.8 degrees	
26	34977	5	N	ARKANSAS CREEK	WF06LS	1.128	09N	02W	16	Temperatur	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 22.9 degrees C from continuous measurements col							
26	34981	5	N	ARKANSAS CREEK	WF06LS	9.433	10N	02W	31	Temperatur	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 20.4 degrees C from continuous measurements col						of 18.9 degrees	
26	7790	5	Υ	BAIRD CREEK	WA62BY	0.151	08N	02E	18	Temperatur	e Water
				Sullivan, et al. 1990, 13 excursions beyond the criterion measured in 1988.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	22199	5	N	CISPUS RIVER	FB00IP	12.937	11N	07E	19	Temperatur	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2000 at the station called 'Cispu				mean o	of daily maximum va	alue of 17.1	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2002 at the station called 'Cispu	s River nea	r Forest	Bounda	ry'. G	fford Pinchot Nation	nal Forest	

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unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.9 degrees C from continuous measurements collected during 2001 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17.1 degrees C from continuous measurements collected during 2000 at the station called 'Cispus River near Forest Boundary'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14.76 degrees C from continuous measurements collected during 1999 at the station called 'Cispus River near

Forest Boundary'.

WRIA	Listing ID C	ategory	98 List?	Waterbody Name Basis	Location I	nformation	n			Parameter	Medium Remarks
26	21538	5	N	COLUMBIA RIVER	NN57SG	<i>4</i> 6122Δ1	8 F 7 /	46.055	122.875	Temperature	
20	21000	Ū	••	Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedan						•	
and				and 2003.							a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these
											rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.
26	7795	5	Υ	COWEEMAN RIVER	ON59SG	13.709	07N (01W 04	ı	Temperature	e Water
				Sullivan, et al. 1990, numerous excursions beyond the criterion at Andrews Ranch Site du	ring 1988.					·	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	34973	5	N	COWEEMAN RIVER	ON59SG	10.746	08N (01W 32	<u>}</u>	Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 25.1 degrees C from continuous measurements coll					temperature of	23.4 degrees	
26	34974	5	N	COWEEMAN RIVER	ON59SG	16.645	08N (01W 34	ı	Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 24.3 degrees C from continuous measurements coll						22.7 degrees	
26	34979	5	N	COWEEMAN RIVER	ON59SG	24.914	08N (01W 13	1	Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 22 degrees C from continuous measurements collections.	show a 7-d cted in 2002	lay mean o 2 at Cowe	of maxim eman - U	num daily Jpper.	temperature of	20.9 degrees	

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Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 60 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 12 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 23 does not exceed the criterion and that 14% of the samples exceeds the percentile criterion from 14 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 22 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 30 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 5 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 9 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 16 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (Cowlitz R. at Kelso) shows a geometric mean of 13 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.

26 6586 5 N COWLITZ RIVER EG25YW 7.582 08N 02W 27 Temperature Water

Dept. of Ecology unpublished data from core ambient monitoring station 26B070 (Cowlitz R. at Kelso) shows a 7-day mean of daily maximum values of 19.2 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 26B070 (COWLITZ RIVER AT KELSO) shows 0 excursions beyond the criterion out of 61 samples collected between 1993 - 2001

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
											Nomano
26	17164	5	N	COWLITZ RIVER	EG25YW	44.241	11N	02W	28	Total PCBs	Tissue
				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill COWLRV (COWLITZ RIVER NORTHEAST OF VADER).	ets of Oncor	rhynchus	clarkii d	collect	ed on 9/20/1995 at	station	
				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill COWLRV (COWLITZ RIVER NORTHEAST OF VADER).	ets of Proso	pium willi	amsoni	colled	cted on 9/20/1995 a	t station	
26	7796	5	Υ	EAST CANYON CREEK	TV32WL	1.041	10N	09E	20	Temperature	Water
				36 excursions beyond the criterion sampled by Gifford Pinchot National Forest at Road 2322	crossing in	1994 (รเ	ıbmitted	by C	urry Jones-EPA on	11/22/95).	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2001 at the station called 'East unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mea measurements collected during 2000 at the station called 'East Canyon Creek above Rd 23: Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 15. measurements collected during 2002 at the station called 'East Canyon Creek above Rd 23 Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 14. at the station called 'East Canyon Creek above Rd 2322'.	Canyon Creen of daily maze. Gifford Gegrees C 22'. Gifford Gegrees C 22'. Gifford	ek above aximum v Pinchot N with 40 o Pinchot I	Rd 232 alue of lational days tha Nationa	2'. Gi 16.4 o Fores at exce I Fore	fford Pinchot Nation degrees C from construction of the construction of the criterion for the control of the criterion for the control of the	al Forest inuous (submitted by rom continuous (submitted by	
26	7797	5	Υ	GOBLE CREEK	HN80UO	8.07	08N	01E	34	Temperature	Water
				Sullivan, et al. 1990, 23 excursions beyond the criterion measured in 1988.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	34978	5	N	GOBLE CREEK	AV22OC	0	08N	01W	34	Temperature	Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 22.2 degrees C from continuous measurements col					daily temperature of	20.5 degrees	
26	22222	5	N	GREENHORN CREEK	IU72KL	5.092	11N	07E	34	Temperature	Water

Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.1 degrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek above 1918 Creek'.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	Medium
				Basis							Remarks
26	22224	5	N	GREENHORN CREEK	IU72KL	0	11N	07E	15	Temperature	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2002 at the station called 'Greet unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day measurements collected during 2001 at the station called 'Greenhorn Creek at Cispus confl by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of at the station called 'Greenhorn Creek at Cispus confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2001 at the station called 'Greenhorn Creek at Cispus confluence'.	nhorn Creek an of daily m uence'. Giff 19.1 degree ember 2002)	at Cispu aximum ord Pincl s C from shows a	us conflu value of not Natio continu 7-day n	uence'. 18.8 conal Founal Foun	Gifford Pinchot Na degrees C from cont prest unpublished da easurements collect	tional Forest inuous ata (submitted red during 2000	
26	7799	5	Υ	HERRINGTON CREEK	JJ99IK	0	09N	03E	28	Temperature	e Water
				Sullivan, et al. 1990, 16 excursions beyond the criterion during 1988.						·	Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	7800	5	N	HOFFSTADT CREEK	NI54RD	11.698	10N	03E	23	Temperature	e Water
				Sullivan, et al. 1990, 26 excursions beyond the criterion at T19N-R2E-S23 during1988.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	22230	5	Υ	IRON CREEK	ZZ28OH	0	11N	07E	19	Temperature	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2002 at the station called 'Iron C unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day measurements collected during 2001 at the station called 'Iron Creek at Cispus confluence'. Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 the station called 'Iron Creek at Cispus confluence'. Gifford Pinchot National Forest unpublishows a 7-day mean of daily maximum value of 15.3 degrees C from continuous measurem confluence'. Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C with 36 days that exceeded the criterion from continuous measurements collected.	Creek at Cis an of daily m Gifford Pin 4 degrees C shed data (s nents collect	ous confl aximum chot Nat from co submitted ed during shows a	uence'. value of ional Fo ntinuous by Clai 1999 a 7-day n	Gifford 17.6 corest ur s meas ire Lav at the si	d Pinchot National F degrees C from cont apublished data (sub- surements collected endel on 16 Decemi tation called 'Iron Cr f daily maximum val	Forest inuous omitted by during 2000 at ber 2002) reek at Cispus	
26	22237	5	N	LAKE CREEK	EU65YO	0	13N	07E	27	Temperature	e Water

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Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 16.4 degrees C from continuous measurements collected during 1999 at the station called 'Lake Creek near Silver Creek confluence'.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	on			Parameter	Medium
				Basis							Remarks
26	22239	5	N	LYNX CREEK	XT25RE	0	13N	07E	22	2 Temperature	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 1999 at the station called 'Lynx						ily maximum value of 17	
26	7802	5	Υ	MULHOLLAND CREEK	NA87LM	0	08N	01E	17	7 Temperature	e Water
				Sullivan, et al. 1990, 4 excursions beyond the criterion measured in 1988.							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
26	34980	5	N	OSTRANDER CREEK	BI68ZD	1.069	08N	02W	1 12	2 Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 21.7 degrees C from continuous measurements co							
26	34975	5	N	OSTRANDER CREEK, S.F.	UZ08OV	0	08N	02W	/ 12	2 Temperature	e Water
				Cowlitz Conservation District unpublished data (submitted by Kali Robson 28 January 2003) C, with a maximum daily temperature of 23.3 degrees C from continuous measurements co							
26	22253	5	N	PUMICE CREEK	BC37WF	0	10N	07E	24	Temperature	e Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece degrees C from continuous measurements collected during 2001 at the station called 'Pumi unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mea exceeded the criterion from continuous measurements collected during 2002 at the station of	ce Creek at an of daily m	Pinto Cr aximum	eek con value of	fluence f 15.5 d	e'. G degre	Gifford Pinchot National Forest ees C with 26 days that	
26	7803	5	N	SCHULTZ CREEK	SR33SN	0.946	10N	04E	10) Temperature	e Water
				Sullivan, et al. 1990, 27 excursions beyond the criterion during 1988.						·	Continuous temperature measurements were taken, but data

were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis							Remarks
26	7805	5	Υ	SILVER CREEK	CT81WJ	1.46	12N	07E	10	Temperature	Water
				72 excursions beyond the criterion sampled by Gifford Pinchot National Forest in 1992 and 2	993 (subm	itted by C	Curry Jo	nes-EF	PA on 1		Continuous temperature measurements were taken, but data
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2002 at the station called 'Silver unpublished data (submitted by Claire Lavendel on 16 December 2002) shows a 7-day mea measurements collected during 2001 at the station called 'Silver Creek near Forest Boundar Claire Lavendel on 16 December 2002) shows a 7-day mean of daily maximum value of 17 the station called 'Silver Creek near Forest Boundary'. Gifford Pinchot National Forest unpushows a 7-day mean of daily maximum value of 16 degrees C with 47 days that exceeded the station called 'Silver Creek near Forest Boundary'.	Creek near n of daily m y'. Gifford I degrees C f blished data	Forest E aximum v Pinchot N rom cont a (submit	Soundar value of lational inuous i ted by 0	y'. Giff 16.6 d Forest measu Claire L	ford Pin degrees t unpubli rements _avende	naximum value of 16.1 chot National Forest C from continuous shed data (submitted by collected during 2000 at I on 16 December 2002)	were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2001 at the station called 'Silver						naximum value of 16.5	
26	22257	5	N	SILVER CREEK	CT81WJ	3.456	12N	07E	03	Temperature	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decedegrees C from continuous measurements collected during 2001 at the station called 'Silver						naximum value of 16.8	
27	21992	5	N	BREEZE CREEK	WG95PJ	0	04N	01E	03	Fecal Colifor	m Water
				Clark County unpublished data from station BRZ010 (Breeze Cr upstrm of LaCenter Btms be collected in 2002.	idge) show	a geome	etric me	an of 6	652 cfu/1	00mL from 6 samples	
27	10014	5	N	CEDAR CREEK	CP21GZ	3.928	05N	02E	08	Fecal Colifor	m Water
				Summers (2001) station SRIW2703 (WATER QUALITY AT GRIST MILL/TRAP) shows the the samples does not exceed the percentile criterion from 3 samples collected during 2000.; MILL/TRAP) shows the geometric mean of 57 does not exceed the criterion and that 22 % collected during 2001.;	Summers	(2001)	station S	SRIW2	703 (W	ATER QUALITY AT GRIST	
27	37822	5	N	CLEAR CREEK	KD11RD	2.293	08N	07E	31	Temperature	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1991,1997-2002 at the station called 'Near confluence (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of dai measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during 1991,1997-2002 at the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near confluence w/ Measurements collected during the station called 'Near coll	w/ Muddy R y maximum	River'. Gi values d	fford Pi	nchot N	National	Forest unpublished data	
27	37825	5	N	CLEARWATER CREEK	SA80NM	0.653	08N	06E	14	Temperature	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1996-1999,2001-2002 at the station called '8 Miles abo (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of dai measurements collected during 1996-1999,2001-2002 at the station called '8 Miles above M	ve Muddy F y maximum	River'. Gi values d	ifford Pi	nchot I	National	Forest unpublished data	

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	Informat	ion				Parameter		Medium
				Basis								Remarks	
27	8782	5	Υ	COLUMBIA RIVER	NN57SG	4612	2A8A5	46.0	005	122.855	Dieldrin		Tissue
				Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue $\frac{1}{2}$	of a individu	ual Whit	e Sturg	eon at	RM 75				
27	8783	5	Υ	COLUMBIA RIVER	NN57SG	4612	2A8A5	46.0	005	122.855	Total PCBs		Tissue
				Tetra Tech, 1993, 3 excursions beyond the national toxics rule criterion in the edible tissue	of a individu	ual Whit	e Sturg	eon at	RM 75				
27	37821	5	N	COPPER CREEK	SP80TK	2.443	041	I 05E	30		Temperature	:	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1977-1981,1996-2002 at the station called 'Above Bolin by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum during 1977-1981,1996-2002 at the station called 'Above Bolin Creek'.	n Creek'. G	Sifford P	inchot N	Nationa	l Fores	t unpublished	data (submitted		
27	16772	5	N	GEE CREEK	FH67KG	7.267	041	I 01E	37		Fecal Colifor	·m	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 27F070 (Gee Creek at Ridgefie 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.; (Gee Creek at Ridgefield) shows a geometric mean of 137 exceeds the criterion and that 44 collected during 1995.	Hallock (2	2001) De	ept. of E	cology	Ambie	nt Monitoring	Station 27F070		
27	21994	5	N	GEE CREEK	FH67KG	9.452	041	I 01E	29		Fecal Colifor	·m	Water
				Clark County unpublished data from station GEE050 (Gee Cr dnstrm of Royle Road) show a	a geometric	mean c	of 304 c	fu/100n	nL fron	n 6 samples co	ollected in 2002.		
27	6341	5	N	HORSESHOE LAKE	323GIS	36N	01W	33			Total Phospl	horus	Water
				Completed Phase I State Clean Lakes Restoration Project in 1993: Welch, et al. 1992.							·		e Clean Lakes Restoration Project: ontrol methods based on the Phase I
27	6587	5	Υ	KALAMA RIVER	QB31IV	4.11	071	I 01V	V 32		Temperature	•	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 27B070 (Kalama R 20.2 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring St beyond the criterion out of 41 samples collected between 1993 - 2001									
27	37818	5	N	LEWIS RIVER	CP62CH	93.22	2 071	I 07E	29		Temperature	•	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1975-1988,1991,1997-2000,2002 at the station called (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of data	Above Curl	ly Creek m value	'. Giffo	rd Pinc	hot Na	tional Forest u	inpublished data	ı	

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measurements collected during 1975-1988,1991,1997-2000,2002 at the station called 'Above Curly Creek'.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformati	on			Parameter		Medium
				Basis							Remarks	
27	37833	5	N	LEWIS RIVER	CP62CH	100.50	07N	07E	10	Temperatu	re	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decerfrom measurements collected during 2001-2002 at the station called 'Above Big Creek'. Giff Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 2001-2002 at the station called 'Above Big Creek'.	ord Pincho	Nationa	l Forest	unpub	olished data	a (submitted by Claire		
27	6532	5	N	LEWIS RIVER	CP62CH	72.487	07N	05E	28	Total Disso	olved Gas	Water
				Unpublished data from Cowlitz PUD station S2 (Switft #1 Tailrace) shows the the criterion w	as exceede	d 9 out o	of 10 da	ys mea	asured durir	ng 2000.		
27	6535	5	N	LEWIS RIVER	CP62CH	67.018	07N	04E	25	Total Disso	olved Gas	Water
				Unpublished data from Cowlitz PUD station S5 (Swift #2 Tailrace) shows the the criterion was	s exceede	d 3 out o	f 10 day	s mea	sured durin	g 2000.		
				Unpublished data from Cowlitz PUD station Y1 (Swift #2 Tailrace) shows the the criterion was	s exceede	d 11 out	of 43 da	ys me	asured duri	ing 2000.		
27	6542	5	N	LEWIS RIVER	CP62CH	53.089	06N	04E	32	Total Disso	olved Gas	Water
				Unpublished data from Cowlitz PUD station Y7 (Yale Tailrace) shows the the criterion was e	xceeded 14	out of 2	0 days	measu	red during	2000.		
				Unpublished data from Cowlitz PUD station M1 (Yale Tailrace) shows the the criterion was e	xceeded 0	out of 20) days n	neasur	ed during 2	2000.		
27	7815	5	Υ	LEWIS RIVER, E.F.	EI60MF	3.951	04N	01E	03	Fecal Colif	orm	Water
				Hutton (1994) shows 5 excursions beyond the criterion at the Pollack Road station in 1991 a	nd 1992.							a were previously submitted only in ne water segment is listed as Category 5 assessment.
27	7818	5	Υ	LEWIS RIVER, E.F.	EI60MF	37.736	04N	03E	13	Fecal Colif	orm	Water
				Hutton (1994) shows 6 excursions beyond the criterion at the Moulton Falls station in 1991 a	nd 1992.							a were previously submitted only in the water segment is listed as Category 5 assessment.

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37826

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LEWIS RIVER, E.F.

from measurements collected during 1996-1998 at the station called 'Below McKinley Cr.'.

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Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 December 2002) shows temperature was exceeded in 3 separate years

EI60MF

54.79 04N 05E 16

Temperature

Water

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nforma	tion				Parameter		Medium
				Basis								Remarks	
27	37828	5	N	LEWIS RIVER, E.F.	EI60MF	58.93	32 041	N 0	5E	23	Temperature	9	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece from measurements collected during 1999-2002 at the station called 'Above Green Fork'. G Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 1999-2002 at the station called 'Above Green Fork'.	ifford Pinch	ot Natio	onal Fo	rest u	npuk	olished data (subn	nitted by Claire		
27	37831	5	N	LEWIS RIVER, E.F.	EI60MF	60.95	55 041	N 0	5E	24	Temperature	e	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece from measurements collected during 2001-2002 at the station called 'Below Sunset Falls Ca (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of da measurements collected during 2001-2002 at the station called 'Below Sunset Falls Campgi	impground ['] . Ily maximum	Giffor	d Pinch	ot Na	tiona	al Forest unpublish	hed data		
27	37832	5	N	LEWIS RIVER, E.F.	EI60MF	52.76	64 041	N 0	5E	17	Temperature	•	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece from measurements collected during 2001-2002 at the station called 'Below Slide Creek'. G Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 2001-2002 at the station called 'Below Slide Creek'.	ifford Pinch	ot Natio	onal Fo	rest u	npuk	olished data (subn	nitted by Claire		
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece from measurements collected during 2001-2002 at the station called 'Above Slide Creek'. Clavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum values of 2001-2002 at the station called 'Above Slide Creek'.	ifford Pinch	ot Natio	onal Fo	rest u	ınpul	olished data (subr	mitted by Claire		
27	7819	5	Υ	LOCKWOOD CREEK	YD45JI	1.579	041	N 0	1E	01	Fecal Colifo	rm	Water
				Hutton (1994) shows 9 excursions beyond the criterion at the Lockwood Creek Road station	in 1991 and	d 1992.							were previously submitted only in water segment is listed as Category 5 assessment.
27	7822	5	Υ	MCCORMICK CREEK	GF76XA	1.841	041	N 0	1E	09	Fecal Colifo	rm	Water
				Hutton (1994) shows 12 excursions beyond the criterion at the NW LaCenter Road station in	n 1991 and	1992.							were previously submitted only in water segment is listed as Category 5 assessment.
27	37820	5	N	MUDDY RIVER	GU87UX	7.211	ı 07I	N 06	6E	01	Temperature	9	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Dece from measurements collected during 1991,1996-2002 at the station called 'Above Clear Cre (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of da collected during 1991,1996-2002 at the station called 'Above Clear Creek confluence'.	ek confluen	ce'. Gi	fford Pi	nchot	Nati	onal Forest unpul	blished data		

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks	
27	37830	5	N	MUDDY RIVER	GU87UX		07N			Temperature	re Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 2001-2002 at the station called 'Below Clear Creek cor by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum collected during 2001-2002 at the station called "Below Clear Creek confluence".	nfluence'. Ġ	ifford Pir	chot Na	ational	Forest unpublished	data (submitted	ed	
27	37819	5	N	QUARTZ CREEK	XY22UH	0	08N	08E	18	Temperature	re Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1977-1979,1982-1984,1988,1991 at the station called data (submitted by Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of measurements collected during 1977-1979,1982-1984,1988,1991 at the station called Below	Below Plation of daily max	num Cree imum val	ek'. Gif	ford Pi	nchot National Fore	st unpublished		
27	37827	5	N	QUARTZ CREEK	XY22UH	1.443	08N	08E	07	Temperature	re Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 2000-2002 at the station called 'Above Platinum Creek Claire Lavendel on 16 December 2002) shows a maximum 7-day mean of daily maximum vaduring 2000-2002 at the station called 'Above Platinum Creek'.	'. Gifford Pi	nchot Na	tional F	orest	unpublished data (si	ubmitted by		
				Department of Ecology unpublished data from EMAP station R0CE99-R9808 (QUARTZ CRI made in 1999.	EEK) shows	no excu	rsions t	peyono	I the criterion from m	neasurements		
27	21995	5	N	ROCK CREEK	XD64JB	5.112	05N	02E	36	Fecal Colifo	orm Water	
				Clark County unpublished data from station RCN050 (Rock Cr North upstrm of Gabriel Road above the percentile criterion from 6 samples collected in 2002.	d) show a ge	eometric	mean o	f 83 c	fu/100mL with 16%	of samples		
27	7824	5	Υ	ROCK CREEK (NORTH)	XD64JB	2.821	04N	02E	02	Fecal Colifo	orm Water	
				Hutton (1994) shows 11 excursions beyond the criterion at the NE Rock Creek Road station	in 1991 and	d 1992.					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Categor based on the 1998 assessment.	y 5
27	7825	5	Υ	ROCK CREEK (SOUTH)	MI81KO	5.448	03N	04E	05	Fecal Colifo	orm Water	
				Hutton (1994) shows 7 excursions beyond the criterion at the Dole Valley Road station in 19	91 and 1992	2.					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Categor based on the 1998 assessment.	у 5
27	37823	5	N	SIOUXON CREEK	IB29HY	14.026	05N	05E	03	Temperature	re Water	
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decer from measurements collected during 1996-2000 at the station called 'Below West Creek'.	mber 2002)	shows te	emperat	ure wa	as exceeded in 5 sep	parate years		
				Department of Ecology unpublished data from EMAP station R0CE99-R9801 (SIOUXON CF made in 1999.	REEK) show	/s no exc	ursions	beyor	d the criterion from	measurements	S	

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WRIA I	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location Ir	nformation	า			Parameter	Remarks	Medium
27	6533	5	N	SWIFT CREEK #2 POWER CANAL Unpublished data from Cowlitz PUD station S3 (Mid-power Canal) shows the the criterion was	IN95IE is exceeded	1.896 I 9 out of	-	05E s meas		Total Dissol	ved Gas	Water
27	7826	5	Y	YACOLT CREEK Hutton (1994) shows 8 excursions beyond the criterion at the NE Railroad Ave station in 199	KS71ST 1 and 1992		04N	03E	12	Fecal Colifor	Fecal coliform data	Water were previously submitted only in e water segment is listed as Category 5 assessment.
28	7836	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 12 excursions beyond the criterion out of 44 samples at station BBC2 between	GB90VP een 1/91 an		02N	01E	38	Dissolved or	kygen	Water
28	7839	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 3 excursions beyond the criterion out of 32 samples (9%) at station BBC3 b	GB90VP etween 1/9		-	02E	60	Dissolved or	kygen	Water
28	7840	5	Y	BURNT BRIDGE CREEK Gaddis, 1994., 6 excursions beyond the criterion out of 36 samples (16%) at station BBC4	GB90VP between 1/		-	02E	67	Dissolved or	kygen	Water
28	7841	5	Y	BURNT BRIDGE CREEK Gaddis, 1994. , 14 excursions beyond the criterion out of 45 samples (31%) at station BBC5	GB90VP 5 between 1		-	02E	56	Dissolved or	kygen	Water
28 to	7844	5	Y	BURNT BRIDGE CREEK Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the criterion	GB90VP on at 112th		-	-		Dissolved or	During the assessr Policy 1-11 (update number of years of impairments . Bas DO statewide, it wa excursions for at le used as an alterna	Water nent of data it was determined that WQ ed 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for as determined that multiple (3 or more) ast two years of monitoring should be tive indicator that a waterbody continues by, ECY/WQP, 2003)

BURNT BRIDGE CREEK GB90VP 18.38 02N 02E 60 Fecal Coliform Water

Clark County data (submitted by Carl Addy on 10/6/93) show 15 excursions beyond the criterion at the 18th Street station between 2/4/91 and 11/3/92

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7827

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Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

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WRIA I	Listing ID Ca	tegory	98 List?	Waterbody Name	Location	nformation	on			Parameter		Medium
				Basis							Remarks	
28	7828	5	Υ	BURNT BRIDGE CREEK	GB90VP	20.222	02N	02E	66	Fecal Colifo	m	Water
				Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the crite	erion at Burt	on Road	station b	etwee	n 5/15/91 and 9/15/9	2		were previously submitted only in e water segment is listed as Category 5 assessment.
28	7829	5	Υ	BURNT BRIDGE CREEK	GB90VP	9.638	02N	01E	15	Fecal Colifo	·m	Water
				Hallock (2004), Dept. of Ecology ambient station 28C070 shows 2 of 3 samples (66.7%) in y	year 2003 e	xceeded	the perc	entile (criterion.			were previously submitted only in
				Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), scriterion and 3 of 5 samples (60%) collected in 1996 exceeded the percentile criterion; the graph (78%) exceeded the percentile criterion in 1997.							based on the 1998	e water segment is listed as Category 5 assessment.
				Clark County data (submitted by Carl Addy on 10/6/93) show 22 excursions beyond the crit	terion at NW	2nd Ave	e. station	betwe	een 1/7/91 and 12/7/9	92,		
28	7830	5	Υ	BURNT BRIDGE CREEK	GB90VP	23.563	02N	02E	69	Fecal Colifo	·m	Water
				Clark County data (submitted by Carl Addy on 10/6/93) show10 excursions beyond the crite	erion at 112t	h Ave sta	tion bet	ween 7	7/9/91 and 9/15/92,			were previously submitted only in e water segment is listed as Category 5 assessment.
28	7832	5	Υ	BURNT BRIDGE CREEK	GB90VP	22.261	02N	02E	56	Fecal Colifo	·m	Water
				Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), scriterion and 3 of 5 samples (60%) collected in 1996 exceeded the percentile criterion; the graph (22%) exceeded the percentile criterion in 1997.								were previously submitted only in e water segment is listed as Category 5 assessment.
				Gaddis, 1994., 17 excursions beyond the criterion at out of 36 samples at station BBC5 be	etween 1/91	and 12/9	3.;					
28	7856	5	Υ	BURNT BRIDGE CREEK	GB90VP	16.32	02N	01E	38	Fecal Colifo	m	Water
				Samadpour et. al., 1999, (submitted by Rosemere Neighborhood Association, 2/12/2004), s	station BBC	2 shows t	he geon	netric n	nean of 244.7 excee	eded the		were previously submitted only in
				criterion and 2 of 5 samples (40%) collected in 1996 exceeded the percentile criterion; 2 of the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the					exceeded the perce	entile criterion;	hardcopy form. The based on the 1998	e water segment is listed as Category 5 assessment.
					e percentile	criterion	in 1997.		7 exceeded the perce	entile criterion;		
28	7858	5	Y	the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the	e percentile	criterion and 12/9	in 1997. 3.;		·	entile criterion;	based on the 1998	
28	7858	5	Y	the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the Gaddis, 1994., 23 excursions beyond the criterion at out of 36 samples at station BBC2 be	e percentile etween 1/91 GB90VP	criterion and 12/9 20.389	in 1997. 3.; 02N		·		based on the 1998 m Fecal coliform data	Water were previously submitted only in e water segment is listed as Category 5
28	7858 7837	5	Y	the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the Gaddis, 1994., 23 excursions beyond the criterion at out of 36 samples at station BBC2 be BURNT BRIDGE CREEK	e percentile etween 1/91 GB90VP	criterion and 12/9 20.389	in 1997. 3.; 02N 3.;		67		Fecal coliform data hardcopy form. The based on the 1998	Water were previously submitted only in e water segment is listed as Category 5
				the geometric mean of 244.2 exceeded the criterion and 5 of 9 samples (55%) exceeded the Gaddis, 1994., 23 excursions beyond the criterion at out of 36 samples at station BBC2 be BURNT BRIDGE CREEK Gaddis, 1994., 15 excursions beyond the criterion at out of 32 samples at station BBC4 be	e percentile etween 1/91 GB90VP etween 1/91 GB90VP	20.389 and 12/9 20.389 and 12/9 9.638	in 1997. 3.; 02N 3.;	02E	67	Fecal Colifo	Fecal coliform data hardcopy form. The based on the 1998	water were previously submitted only in e water segment is listed as Category 5 assessment.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium		
28	7847	5	Υ	BURNT BRIDGE CREEK Gaddis, 1994., 12 excursions beyond the criterion out of 45 samples (27%) at station BBC2	GB90VP 2 in 1991, 19	16.32 992, and	-	01E	38	Temperature	•	Water		
28	7848	5	Υ	BURNT BRIDGE CREEK Gaddis, 1994., 4 excursions beyond the criterion out of 32 samples (13%) at station BBC3			02N 993.	02E	60	Temperature	•	Water		
28	7855	5	Υ	BURNT BRIDGE CREEK Gaddis, 1994., 6 excursions beyond the criterion out of 46 samples (13%) at station BBC5	GB90VP in 1991, 199	_	_	02E	56	Temperature	•	Water		
28	7862	5	Υ	CHINA DITCH	QY97TT	0	02N	03E	06	Dissolved of	xygen	Water		
				Clark County data (submitted by Carl Addy on 10/6/93) show 17 excursions beyond the crite	erion at the I	NE 174th	Ave st	ation be	etween 7/24/91 and		During the assessi	ment of data it was determined that WQ		
				Clark County data (submitted by Carl Addy on 10/6/93) show 17 excursions beyond the crite	erion at the I	NE Ward	Road s	station I	between 7/24/91 and	d 11/3/92.;		ed 9/03) was overly restrictive for the f data excursions needed to list for D.O.		
				Clark County unpublished data from a diel study at station CHD010 (China Ditch at NE War 2001.	rd Road) me	easured e	excursio	ons bey	rond the criterion on	30 August	impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues			
to				Lafer, 1994, 17 excursions beyond the criterion out of 21 samples (81%) at station A3 (at W	/ard Road -	172nd A	ve Brid	ge) dui	ring 1991 and 1992.		be impaired. (Brale	ey, ECY/WQP, 2003)		
28	7865	5	Y	CHINA DITCH	QY97TT	-		03E		Temperature	•	Water		
				Lafer, 1994, 9 excursions beyond the criterion out of 21 samples (43%) at station A3 (at Wa	ard Road - 1	172nd Av	e Bridg	e) durii	ng 1991 and 1992.					
				Clark County unpublished data from a diel study at station CHD010 (China Ditch at NE War 2001.	rd Road) me	easured e	excursio	ns bey	rond the criterion on	30 August				
28	7868	5	Υ	CHINA LATERAL	RP10YQ	3.868	03N	02E	36	Dissolved of	xygen	Water		
to				Lafer, 1994, 3 excursions beyond the criterion out of 7 samples (38%) at station D2 (China L	ateral at 17	'2nd Ave) betwe	en 199	1 and 1992.		Policy 1-11 (updat number of years o impairments . Bas DO statewide, it w excursions for at le used as an alterna	ment of data it was determined that WQ ed 9/03) was overly restrictive for the f data excursions needed to list for D.O. sed on a review of monitoring studies for as determined that multiple (3 or more) east two years of monitoring should be ative indicator that a waterbody continues ey, ECY/WQP, 2003)		

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Lafer, 1994, 2 excursions beyond the criterion out of 7 samples (25%) at station D2 (China Lateral at 172nd Ave) during 1991 and 1992.

RP10YQ 3.868 03N 02E 36

Temperature

Water

CHINA LATERAL

28

7869

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformation			Parameter	Medium
				Basis						Remarks
28	6705	5	Υ	COLUMBIA RIVER	NN57SG	45122I7A8	45.805	122.785	Fecal Colifor	m Water
				Hallock and Ehinger, 1993., excursions beyond criteria at Sauvie Island, from 9/92 to 12/9	92.;					Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
28	6293	5	N	COLUMBIA RIVER	NN57SG	45122F0J6	45.595	122.065	Temperature	. Water
				U.S. Army Corp of Engineers (2001) station WRNO (Warrendale) shows 47 days exceeding to	the numeri	c criterion (20 de	eg. C) in 200	0.		Same location as U.S. Army Corp of Engineers station WAR. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
28	6294	5	N	COLUMBIA RIVER	NN57SG	45122F3F1	45.555	122.315	Temperature	. Water
				U.S. Army Corp of Engineers (2001) station CWMW (Camas/Washougal) shows 59 days exc	ceeding the	numeric criterio	on (20 deg. C	c) in 2000.		EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
28	6295	5	Υ	COLUMBIA RIVER	NN57SG	45122G0A5	45.605	122.055	Temperature	. Water
				U.S. Army Corp of Engineers (2001) station SKAW (Skamania) shows 45 days exceeding the	e numeric o	criterion (20 deg	. C) in 2000.			EPA has the lead in a Temperature TMDL for the Columbia
				Tanner, et al. 1996., 48 excursions beyond the numeric criterion (20 deg.)near Skamania, V	VA in 1996					and Snake Rivers that is underway.
28	7876	5	Υ	COLUMBIA RIVER	NN57SG	45122G0B3	45.615	122.035	Temperature	. Water
				Tanner, et al. 1996., 48 excursions beyond the numeric criterion (20 deg. C) out of 170 same	ples (37%)	near Dodson, (OR in 1996.			EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
28	7877	5	Υ	COLUMBIA RIVER	NN57SG	45122F3H5	45.575	122.355	Temperature	. Water
				Tanner, et al. 1996., 62 excursions beyond the numeric criterion (20 deg. C) out of 180 same	ples (34%)	near Washoug	al, WA in 19	96.		EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.

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WRIA Listing ID Category 98 List? Waterbody Name Location Information Parameter Medium

Remarks

28 21539 5 N COLUMBIA RIVER NN57SG 45122F3H6 45.575 122.365 Temperature Water

Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedances of the numeric temperature criteria of 20°C at RM 122.0 in 2002 Northwest Pulp and Paper Association presented rationale

and 2003.

the

and

a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and

associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformation			Parameter	Medium Remarks
28	21540	5	N	COLUMBIA RIVER	NN57SG	45122G6	A0 45.605	122.605	Temperature	Water
and				Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedar	nces of the	numeric tem	perature criteria	of 20°C at RM	110.3 in 2002	Northwest Pulp and Paper Association presented rationale
the				and 2003.						a two year study performed by Parametrix (12/16/02 and 3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.
28	22053	5	N	CURTIN CREEK	XU25TT	0 0	03N 02E 20		Dissolved ox	ygen Water
				Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) scollected 1998-2002.	show excurs	sions beyond	d the chronic crit	erion from mea		
				Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) s 2002.	show excurs	sions beyond	d the criterion fro	om measuremei	nts collected in	
28	22061	5	N	CURTIN CREEK	XU25TT	0 0	03N 02E 20		рН	Water
				Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) s measurements collected 1998-2002.	show 16 exc	cursions bey	ond the chronic	criterion from 5	51	Low pH
				Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) scollected in 2002.	show no exc	cursions bey	ond the criterior	from measurer	ments	

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis			Remarks
28	7894	5	Υ	DWYER CREEK	YQ90IX 7.672 02N 03E 50	Dissolved o	xygen Water
to				Lafer, 1994, 3 excursions beyond the criterion out of 8 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (at 1st \$ 1.5 samples (37%) at station C5 (37%) at station	St. on Dwyer Creek) during 1991 and 1992.		During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
.0							be impaired. (Braley, ECY/WQP, 2003)
	7007	_	v				
28	7897	5	Y	FIFTH PLAIN CREEK	QO04UK 0.162 02N 03E 07	Dissolved o	
				Clark County data (submitted by Carl Addy on 10/6/93) show 7 excursions beyond the criter Lafer, 1994, 6 excursions beyond the criterion out of 21 samples (28%) at station A2 (at For		91 and 8/5/92.;	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for
to							DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
							be impaired. (Braley, ECY/WQP, 2003)
28	7901	5	Υ	FIFTH PLAIN CREEK	QO04UK 4.833 03N 03E 32	Dissolved o	xvgen Water
20	7001	•	•	Lafer, 1994, 8 excursions beyond the criterion out of 19 samples (42%) at station C3 (at Dav		Dissolved	During the assessment of data it was determined that WQ
to				Clark County unpublished data from a diel study at station FPL050 (Fifth Plain Cr at NE Day 2001.	vis Road) measured excursions beyond the criterion o	n 30 August	Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
ιο							be impaired. (Braley, ECY/WQP, 2003)
		_					
28	7908	5	Υ	FIFTH PLAIN CREEK	QO04UK 3.413 02N 03E 06	Dissolved o	,,
to				Lafer, 1994, 9 excursions beyond the criterion out of 19 samples (47%) at station A4 (at Wa	ard Road - 172nd Ave Bridge) during 1991 and 1992.		During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

be impaired. (Braley, ECY/WQP, 2003)

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location	Informatio	n			Parameter	Remarks	Medium
28	7900	5	Y	FIFTH PLAIN CREEK Lafer, 1994, 7 excursions beyond the criterion out of 19 samples (37%) at station C3 (at Da Clark County unpublished data from a diel study at station FPL050 (Fifth Plain Cr at NE Day		ridge) dui	Ü	and 1	992.	Temperature 30 August	3	Water
28	7907	5	Υ	2001. FIFTH PLAIN CREEK Lafer, 1994, 9 excursions beyond the criterion out of 19 samples (47%) at station A4 (at War	QO04UK rd Road -		02N e Bridge)			Temperature	1	Water
28 to	7912	5	Y	LACAMAS CREEK Clark County data (submitted by Carl Addy on 10/6/93) show 6 excursions beyond the criter Lafer, 1994, 4 excursions beyond the criterion out of 26 samples (15%) at station A1 (at Go				statior	n between 7/24/91 a	Dissolved on the second 8/5/92.	During the assessn Policy 1-11 (update number of years of impairments . Base DO statewide, it wa excursions for at le used as an alternat	Water nent of data it was determined that WQ and 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for as determined that multiple (3 or more) ast two years of monitoring should be give indicator that a waterbody continues by, ECY/WQP, 2003)
28 to	7915	5	Y	LACAMAS CREEK Lafer, 1994. 12 excursions beyond the criterion out of 20 samples (60%) at station B1 (outle	YQ90IX t on Lacam		01N during			Dissolved or	TRS was 01N-03E- During the assessn Policy 1-11 (update number of years of impairments . Basi DO statewide, it wa excursions for at le used as an alternat	Water -44 on 1998 listkk ment of data it was determined that WQ ed 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for us determined that multiple (3 or more) ast two years of monitoring should be tive indicator that a waterbody continues y, ECY/WQP, 2003).
28	7921	5	Y	LACAMAS CREEK Lafer, 1994, 5 excursions beyond the criterion out of 21 samples (23%) at station A5 (at For	YQ90IX urth Plain F		02N ge) durin			Dissolved ox	During the assessn Policy 1-11 (update number of years of impairments . Basi DO statewide, it wa excursions for at le	Water nent of data it was determined that WQ ad 9/03) was overly restrictive for the data excursions needed to list for D.O. and on a review of monitoring studies for a determined that multiple (3 or more) ast two years of monitoring should be give indicator that a waterbody continues

to

be impaired. (Braley, ECY/WQP, 2003)

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				Participation of the state of t							Demande
				Basis							Remarks
28	7924	5	Υ	LACAMAS CREEK	YQ90IX	20.698	02N	03E	10	Dissolved of	xygen Water
to				Lafer, 1994, 8 excursions beyond the criterion out of 20 samples (40%) at station C1 (just up	estream of	Matney C	Creek) (during [,]	1991 and 1992.		During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
10											be impaired. (Braley, ECY/WQP, 2003)
28	7913	5	Υ	LACAMAS CREEK	YQ90IX	8.596	02N	03E	51	Fecal Colifo	rm Water
				Clark County data (submitted by Carl Addy on 10/6/93) show 2 excursions beyond the criterio	on at the N	E Goodw	in Roa	d static	on on4/5/92 and 7/15	/92.	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5
				Lafer, 1994, 2 excursions beyond the upper criterion at station A1(at Goodwin Road Bridge)	on 4/5/92	2 and 7/1	5/92 ou	t of 3 s	samples.		based on the 1998 assessment.
28	7916	5	Υ	LACAMAS CREEK	YQ90IX	2.286	01N	03E	47	рН	Water
				Lafer, 1994. 7 excursions beyond the criterion out of 20 samples (35%) at station B1 (outlet o	n Lacama	s Creek)	betwee	n 1991	l and 1992.		TRS was 01N-03E-44 on 1998 listkk
											Both low pH and high pH
28	7914	5	Υ	LACAMAS CREEK	YQ90IX	2.286	01N	03E	47	Temperature	e Water
				Lafer, 1994. 13 excursions beyond the criterion out of 20 samples (65%) at station B1 (outlet	on Lacam	as Creek) during	1991	and 1992.		TRS was 01N-03E-44 on 1998 listkk
28	7917	5	Υ	LACAMAS CREEK	YQ90IX	8.596	02N	03E	51	Temperature	e Water
				Lafer, 1994, 7 excursions beyond the criterion out of 26 samples (27%) at station A1 (at Goo	dwin Roa	d Bridge)	during	1991 a	and 1992.		
28	7920	5	Υ	LACAMAS CREEK	YQ90IX	15.679	02N	03E	07	Temperature	e Water
				Lafer, 1994, 7 excursions beyond the criterion out of 21 samples (33%) at station A5 (at Four	rth Plain R	oad Brido	ge) dur	ng 199	91 and 1992.		
28	7923	5	Υ	LACAMAS CREEK	YQ90IX	20.698	02N	03E	10	Temperature	e Water
				Lafer, 1994, 7 excursions beyond the criterion out of 20 samples (35%) at station C1 (just up	stream of	Matney C	Creek)	during '	1991 and 1992.		
28	43465	5	N	LACAMAS LAKE	621COD	02N	03E :	34		Total PCBs	Tissue
				Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the Nation	nal Toxics	Rule crite	erion fo	r Total	PCBs		

Location Information

Medium

Parameter

WRIA Listing ID Category 98 List? Waterbody Name

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	Informat	ion			Parameter	Remarks	Medium
28	6346	5	N	LACAMAS LAKE	621COD	-	03E	-		Total Phosp		Water
				Completed Phase I State Clean Lakes Restoration Project in 1986 - Problems Encountered: turbidity, tributary nutrient inputs, aquatic macrophytes. Intergovernmental Resource Center county unpublished data show the summer mean epilimnetic total phosphorus concentration 2002.	, 1988.Beal	ık Consi	ultants a	and Scientific	Resources, 198	35. Clark	measures underwa nutrient manageme	In Lakes Restoration Project: Control y based on the Phase I study -watershed ent (dairy waste BMPs, stream bank em management, ordinance ic education.
28	40870	5	Υ	LAKE RIVER	IQ64OU	4.372	041	N 01W 38		Fecal Colifo	rm	Water
				4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring sta	ation 28F07	70 (RM3	3.2) betv	ween 9/91 aı	nd 9/96		on station 28F070.	ntered into 1996 list decision matrix based This station is on the segment WA-28- represent upstream conditions on
segment											WA-28-1030. JB 7	-25-03: REASSESS, OLD DATA
00	40000	_	V	LAKE DIVED						_		
28	40869	5	Y	LAKE RIVER 4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring sta	IQ640U ation 28E07	4.372 70 hetwe	-			Temperature		Water htered into 1996 list decision matrix based
segment				4 excursions beyond the efficient out of 12 samples (55%) at Leology ambient monitoring sa	ation 201 07	o betwe	5011 5/5	1 and 3/30			on station 28F070.	This station is on the segment WA-28- represent upstream conditions on
oogmon											WA-28-1030. JB 7	-25-03: REASSES, OLD DATA
28	7929	5	Υ	MATNEY CREEK	JY73PR	0	021	N 03E 09		Dissolved o	xygen	Water
				Clark County data (submitted by Carl Addy on 10/6/93) show 8 excursions beyond the criteria	on at the N	IE 68th 9	Street s	station betwe	en 7/24/91 and 9		During the assessm	nent of data it was determined that WQ
DO				Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) scollected in 2001-2002.	show no exc	cursions	beyon	d the criterio	n from measurer	ments	number of years of	ed 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for
DO				Lafer, 1994. 7 excursions beyond the criterion out of 19 samples (37%) at station C2 (at 68th	St Bridge	\ during	1001 6	and 1002				etermined that multiple (3 or more) ast two years of monitoring should be
40				Laier, 1994. 7 excursions beyond the chiefforf out of 19 samples (37%) at station 62 (at our	i St. Bridge	e) during	1991 6	and 1992.				ive indicator that a waterbody continues
to											be impaired. (Brale	y, ECY/WQP, 2003)
28	22016	5	N	MATNEY CREEK	JY73PR	0	021	N 03E 09		Fecal Colifo	rm	Water
				Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) s in 2002.		-	_					
				Lafer, 1994, 1 excursion beyond the upper criterion at station C2 (at 68th St. Bridge) on 4	/5/92 out of	f 2 samp	oles.					
28	7930	5	Υ	MATNEY CREEK	JY73PR	0	021	N 03E 09		Temperature	•	Water
				Lafer, 1994, 5 excursions beyond the criterion out of 19 samples (26%) at station C2 (at 68t	h St. Bridge	e) during	g 1991 a	and 1992.				
				Clark County unpublished data from station MAT010 (Matney Cr upstrm of NE 68th Street) s 2002.	show excurs	sions be	yond th	ne criterion fr	om measuremer	nts collected in		

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location In	nformation	n		Parameter	Remarks	Medium
28	7936	5	Y	ROUND LAKE Lafer, 1994, 5 excursions beyond the criterion out of 11 samples (45%) at station B2 (outlet	636ALD t on Mill Ditch	01N 0 n at Garfie		uring 1991 and 1992.	Dissolved o		Water Round Lake instead of Mill Creek. 07/19/04
to										During the assessr Policy 1-11 (update number of years of impairments . Bas DO statewide, it wa excursions for at le used as an alterna	ment of data it was determined that WQ ed 9/03) was overly restrictive for the f data excursions needed to list for D.O. ed on a review of monitoring studies for as determined that multiple (3 or more) east two years of monitoring should be tive indicator that a waterbody continues ey, ECY/WQP, 2003)
28	7935	5	Y	ROUND LAKE Lafer, 1994, 7 excursions beyond the criterion out of 11 samples (67%) at station B2 (outlet	636ALD t on Mill Ditch		3E 46 eld Road) be	etween 1991 and 199:	pH 2.	Low pH.	Water n Mill Ditch to Round Lake. 07/19/04 -kk
28	22055	5	N	SALMON CREEK	FP99QE	2.059	03N 01E	= 20	Dissolved o	_	Water
20	22033	3	.,	Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show 1998-2002.							Water
28	22063	5	N	SALMON CREEK	FP99QE	2.058	03N 01E	20	рН		Water
				Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show collected 1998-2002.	/ 13 excursio	ns beyon	d the chroni	ic criterion from 51 me	easurements	Low pH	
28	22065	5	N	SALMON CREEK	FP99QE	21.063	03N 02E	1 5	рН		Water
				Clark County unpublished data from station SMN050 (Salmon Cr at Caples Road) show 11 collected 1998-2002.	excursions b	eyond the	e chronic cr	iterion from 51 measu	rements	Low pH	
28	22066	5	N	SALMON CREEK	FP99QE	34.326	03N 03E	03	рН		Water
				Clark County unpublished data from station SMN080 (Salmon Cr at NE 199th Street) show collected 1998-2002.	17 excursion	s beyond	the chronic	c criterion from 51 mea	asurements	Low pH	
28	22047	5	Υ	SALMON CREEK	FP99QE	2.058	03N 01E	20	Temperature	9	Water
				Clark County unpublished data from station SMN010 (Salmon Cr at NW 36th Avenue) show 1998, 1999, 2000 and 2002.	excursions	beyond th	ne chronic c	riterion from measure	ments collected	d	

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WRIA	Listing ID Catego	ory 98 Lis	? Waterbody Name	Location	nformation	on			Parameter	Medium
			Basis							Remarks
28	7946	5 Y	SHANGHAI CREEK	IA24XE	1.176	02N	03E (05	Dissolved o	xygen Water
			Lafer, 1994, 8 excursions beyond the criterion out of 17 samples (47%) at station C4 (at 21.	2 Ave Bridg	e) during	1991 a	ind 1992.			Moved to Category 5. sb 4/6/05 During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for DO statewide, it was determined that multiple excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP,
2003)										maiorisody continuou to so impairod. (Stato), 20 1/11 q.,
28	7947	5 Y	SHANGHAI CREEK Lafer, 1994, 3 excursions beyond the criterion out of 17 samples (18%) at station C4 (at 212)	IA24XE ? Ave Bridge	1.176 e) betwee	02N en 1991			рН	Water
28	7945	5 Y	SHANGHAI CREEK Lafer, 1994, 3 excursions beyond the criterion out of 17 samples (18%) at station C4 (at 21.	IA24XE 2 Ave Bridg	1.176 e) during	-	03E (05	Temperature	e Water
28	6324	5 N	VANCOUVER LAKE	073FDJ	03N	01E :	32		Fecal Colifo	rm Water
			Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered	ed: Blue-gre	een algae	, low tra	ansparen	cy, low dissolved	oxygen, aquatio	Completed Phase II Federal Clean Lakes Restoration
Project			macrophytes, sediment phosphorus recycling, fecal coliform bacteria.							in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing. Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
28	7949	5 N	VANCOUVER LAKE	073FDJ	45122	G7H1	45.675	122.715	Fecal Colifo	rm Water
Droinet			Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered	ed: Blue-gre	een algae	, low tra	ansparen	cy, low dissolved	oxygen, aquatio	Completed Phase II Federal Clean Lakes Restoration
Project			macrophytes, sediment phosphorus recycling, fecal coliform bacteria.							in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment

in 1986: Dames and Moore, 1980. Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing.

Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment. The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location Ir	nformation				Parameter	Medium Remarks
28	42172	5	N	VANCOUVER LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Largemouth bass Davis et al, 1995.(Ecology pub # 95-356) shows criterion was exceeded in Largemouth bass	•		d 10/3/2		122.715	Total PCBs	Tissue
28	6375	5	N	VANCOUVER LAKE	073FDJ	03N 01	1E 51			Total Phosp	horus Water
				Completed Phase I Federal Clean Lakes Restoration Project in 1978- Problems Encountered macrophytes, sediment phosphorus recycling, fecal coliform bacteria.	ed: Blue-gre	en algae, l	ow tran	nsparenc	cy, low dissolved o	oxygen, aquatio	Completed Phase II Federal Clean Lakes restoration Project in 1986:Dames and Moore, 1980.Control measures implemented based on the Phase I Study - sediment removal/dredging, dilution/flushing.
28	16774	5	N	WASHOUGAL RIVER	ME26VJ	20.632	02N	05E 3	31	Fecal Colifo	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 28B110 (Washougal R. below Criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples Monitoring Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean exceeds the percentile criterion from 4 samples collected during 1997.; Hallock (2001) Dept. Canyon Creek) shows a geometric mean of 15 does not exceed the criterion and that 0% of samples collected during 1999.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected of Station 28B110 (Washougal R. below Canyon Creek) shows a geometric mean of 24 does percentile criterion from 9 samples collected during 1995.	s collected d of 33 does r ot. of Ecology of the sample on 28B110 (\ percentile crit Creek) show during 2000.	uring 1994 not exceed y Ambient es does no Washouga terion from vs a geom ; Hallock	4.; Hall the crit Monitor of exceed IR. belon 9 sam etric me (2001)	llock (20 terion ar ring Stated the pel low Cany liples collean of 9 Dept. o	01) Dept. of Ecolond that 50% of the tion 28B110 (Was ercentile criterion yon Creek) show lected during 1994 does not exceed f Ecology Ambien	ogy Ambient e samples shougal R. belo from 6 s a geometric 8.; Hallock the criterion an it Monitoring	
28	22067	5	N	WEAVER CREEK	HO68MC	0	03N	02E 1	15	рН	Water
				Clark County unpublished data from station WDN010 (Weaver Creek at Caples Rd.) show 1 collected 1998-2002.	4 excursions	s beyond t	he chro	onic crite	erion from 51 mea	surements	Low pH
28	22018	5	N	WHIPPLE CREEK	ER25WD	3.931	03N	01E 1	17	Fecal Colifo	rm Water
				Clark County unpublished data from station WPL050 (Whipple Cr upstrm of NW 179th Stree collected in 2002.	et) show a ge	eometric m	nean of	634 cfu/	/100mL from 6 sa	mples	
29	6292	5	N	COLUMBIA RIVER	NN57SG	45121G	9E3	45.645	121.935	Temperature	e Water
				U.S. Army Corp of Engineers (2001) station BON (Bonneville Forebay) shows 41 days exce	eding the nu	ımeric crite	erion (20	0 deg. C	c) in 2000.		EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nforma	tion				Parameter	Remarks	Medium
29	16775	5	N	GILMER CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mo that 0% of the samples exceeds the percentile criterion from 8 samples collected during 199						not exceed the	Fecal Colifor e criterion and	rm	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mo that 0% of the samples exceeds the percentile criterion from 6 samples collected during 199		a geom	etric me	an of 1	3 does r	not exceed the	e criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mo that 22% of the samples exceeds the percentile criterion from 9 samples collected during 19		a geom	etric me	an of 7	'1 does r	not exceed the	e criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29E070 (Gilmer Creek near Mo of the samples exceeds the percentile criterion from 3 samples collected during 1994.	uth) shows	a geom	etric me	an of 1	05 exce	eds the criteri	on and that 0%	, o	
				Underwood Conservation District unpublished data from station WQ-5 show a geometric me	an of 203 c	org/100r	nL from	3 samp	oles colle	ected in 1996.			
				Underwood Conservation District unpublished data from station WQ-5 show a geometric me	an of 103 c	org/100r	nL from	7 samp	oles colle	ected in 1995.			
				Underwood Conservation District unpublished data from station WQ-5 show a geometric me	ean of 330 c	org/100r	nL from	1 samp	ole collec	cted in 1994.			
				Underwood Conservation District unpublished data from station WQ-5 show a geometric me	ean of 151 c	org/100r	nL from	4 samp	oles colle	ected in 1993.			
				Underwood Conservation District unpublished data from station WQ-5 show a geometric me	ean of 44 or	g/100m	L from 2	sample	es collec	cted in 1992.			
00	5000	_	V	INDIAN OPERIC		_					_		
29	5882	5	Y	INDIAN CREEK Rashin and Graber, 1992, 7 excursions beyond the criterion between 8/19/90 and 9/5/90.	VR68IC	0	04N	11E	30		Temperature	Continuous temper results reported as is continued from 1	Water rature measurements were taken, but single day maximums. Category 5 listing 998 assessment based on multiple ontinuous monitoring.
29	23123	5	N	LITTLE WHITE SALMON RIVER	VP16ET	21.60)2 04N	09E	02		Temperature	!	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decemeasurements collected during 1998, 2000 and 2001 at the station called 'Little White Salmana's content of the station of the station called 'Little White Salmana's content of the station called 'Little White Salmanana's content of the station called 'Little White Salmanananananananananananananananananana	,			ns bey	ond the	criterion from	·		
29	23125	5	N	LITTLE WHITE SALMON RIVER	VP16ET	13.30	2 04N	09E	26		Temperature	!	Water
				Gifford Pinchot National Forest unpublished data (submitted by Claire Lavendel on 16 Decemeasurements collected during 1995-2001 at the station called 'Little White Salmon R above		shows	excursio	ns bey	ond the	criterion from			
29	21892	5	N	MAJOR CREEK	YU21ZE	0.643	03N	12E	30		Temperature)	Water
				Columbia River Gorge National Scenic Area unpublished data at station MA120 show a 7-da measurements collected in 2000. Columbia River Gorge National Scenic Area unpublished of 24.6 degrees C fromcontinuous measurements collected in 2001.	ay mean of data at stat	daily m tion MA	aximum 120 shov	values v a 7-d	of 25.5 day mear	degrees C from	mcontinuous imum values		
				Columbia River Gorge National Scenic Area unpublished data at station MA150 show a 7-da measurements collected in 2002.	ay mean of	daily m	aximum	values	of 24.5	degrees C fro	mcontinuous		

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Locati	on Information		Parameter	Medium
				Basis				Remarks
29	5886	5	Υ	RATTLESNAKE CREEK 0Y08	TT 12.616 04N 1	1E 30	Fecal Colifor	rm Water
				Underwood Conservation District data (submitted by Dave Palazzi on 11/29/93) show multiple excu 10/92 and 7/93.	sions beyond the criter	rion measured at the mou	ith between	The raw data needed to reassess the segment are not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.
29	5884	5	Υ	RATTLESNAKE CREEK 0Y08	TT 12.616 04N 1	1E 30	Temperature	e Water
				Underwood Conservation District data (submitted by Dave Palazzi on 11/29/93) show multiple excu 7/93 and 9/93.	sions beyond the criter	rion measured at the mou	ith between	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 29D070 (Rattlesnake Cr nr Mouth) sho collected between 1993 - 2001 measured on these dates: 96/08/11, 97/08/13,	ws 2 excursions beyon	nd the criterion out of 30 s	amples	excursions from continuous monitoring.
				Underwood Conservation District unpublished data from station WQ-3 show excursions beyond the	criterion from measurer	ements collected in 1995 a	and 2002.	
29	5885	5	Y	RATTLESNAKE CREEK EQ92		1E 16	Temperature	e Water
				Mattews, 1992 shows 7-day means of daily maximums of 23.2 at station RS1 during 1990 and 1991				
				Underwood Conservation District unpublished data from station WQ-3ab show no excursions beyon	d the criterion from mea	asurements collected from	m 1992-2002.	
29	21588	5	N	TROUT LAKE DITCH RG95	QI 3.707 05N 1	1E 07	Fecal Colifor	rm Water
DC0FOL				Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 17	'0 org/100mL from 1 sa	ample collected in 1994.		WASWIS/Lwr Rte changed from NQ43EC - 0.099 to
RG95QI	-							3.707 on 01/28/05kk
				Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 23	'0 org/100mL from 3 sa	amples collected in 1993.		Changed from Category 2 to Category 5 based on
				Underwood Conservation District unpublished data from station WQ-7 show a geometric mean of 55	9 org/100mL from 2 sa	ample collected in 1992.		reassessment of data on 09/20/04kk
29	5889	5	Υ	WHITE SALMON RIVER 0Y08	TT 19.507 04N 1	0E 11	Fecal Colifor	rm Water
				Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 34	org/100mL from 3 san	mples collected in 1996.		The raw data needed to reassess the segment are not in the
				Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 13	6 org/100mL from 7 sa	amples collected in 1995.		administrative record. The water segment is listed as Category 5 based on the 1998 assessment.
				Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 10	4 org/100mL from 3 sa	amples collected in 1993.		
				Underwood Conservation District data(submitted by Dave Palazzi on 11/29/93) show multiple excur Corners.	sions beyond the criterio	ion between 10/92 and 7/	'93 at BZ	

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Underwood Conservation District unpublished data from station WQ-4 show a geometric mean of 20 org/100mL from 1 sample collected in 1992.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location II	nformation			Parameter	Medium Remarks
29	21587	5	N	WHITE SALMON RIVER Underwood Conservation District unpublished data from station WQ-6 show a geometric me Underwood Conservation District unpublished data from station WQ-6 show a geometric me Underwood Conservation District unpublished data from station WQ-6 show a geometric me Underwood Conservation District unpublished data from station WQ-6 show a geometric me	ean of 737 o	rg/100mL from rg/100mL from	samples co	illected in 1996. collected in 1995 illected in 1994.		rm Water
				Underwood Conservation District unpublished data from station WQ-6 show a geometric me	an of 493 o	rg/100mL from	2 samples c	collected in 1992	<u>.</u> .	
30	5892	5	Y	COLUMBIA RIVER Tanner, et al. 1996., 55 excursions beyond the criterion out of 172 samples (32%) near Clif		45120H7A2 996.;	45.705	120.725	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
30	5893	5	Y	COLUMBIA RIVER Tanner, et al. 1996., 33 excursions beyond the criterion out of 135 samples (24%) at the Da U.S. Army Corp of Engineers (2001) station TDA (The Dalles Forebay) shows 51 days exceed	alles Dam F	·	45.615	121.135	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
30	5894	5	Y	COLUMBIA RIVER Tanner, et al. 1996., 33 excursions beyond the criterion out of 80 samples (41%) at The Da U.S. Army Corp of Engineers (2001) station TDDO (The Dalles Tailwater) shows 50 days ex	alles, OR in		45.605	121.185	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
30	6296	5	N	COLUMBIA RIVER U.S. Army Corp of Engineers (2001) station JHAW (John Day Tailwater) shows 53 days exc		45120H6B9 criterion in 2000	45.715	120.695	Temperature	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformation				Parameter	Medium Remarks
30	7962	5	Y	SWALE CREEK	XN32HN	5.226 0)4N	14E 33	3	Temperature	e Water
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 37 excursions be	yond the cr	iterion in 199	90.				The WRIA 30 Watershed Planning Coordinator porvided additional informaiton on Swale Creek for instream flow and temperature, suggesting these impairments were due ot natural conditions. However, staff were not able to rule out anthropogenic sources in this area. Because of the uncertainties with respect to the human influences, these listings will remain in the "impaired" status until further study of the watershed can determine the extent of the influence and what might be done to correct or mitigate them.
											TRS was 04N-14E-19 on 1998 listkk
											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
31	18512	5	N	COLUMBIA RIVER	NN57SG	45120H3 <i>A</i>	\ 5	45.705	120.355	4,4'-DDE	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-C (River Mile 233.2) sample #97500957.	riterion fror	n Channel C	Catfish	compos	ite of 8 fillet with	skin collected	
31	18513	5	N	COLUMBIA RIVER	NN57SG	45120G4J	15	45.695	120.455	4,4'-DDE	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-B (River Mile 228.5) sample #97500956.	riterion fror	n Channel C	Catfish	compos	ite of 9 fillet with	skin collected	
31	18621	5	N	COLUMBIA RIVER	NN57SG	45120H3A	\ 5	45.705	120.355	Chlordane	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-C (River Mile 233.2) sample #97500957.	riterion fror	n Channel C	Catfish	compos	ite of 8 fillet with	skin collected	
31	18622	5	N	COLUMBIA RIVER	NN57SG	45120G4J	15	45.695	120.455	Chlordane	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-B (River Mile 228.5) sample #97500956.	riterion fror	n Channel C	Catfish	compos	ite of 9 fillet with	skin collected	
31	6299	5	Υ	COLUMBIA RIVER	NN57SG	45119J2D	9	45.935	119.295	Temperature	e Water
Pacific				U.S. Army Corp of Engineers (2001) station MCQW (McNary Washington Forebay) show 58	days excee	eding the nu	meric	criterion	(20 deg.C) duri	ng 2000.	Same location as U.S. Army Corp of Engineers North
	atura										Division station MCN-N. EPA has the lead in a
Temper	alule										TMDL for the Columbia and Snake Rivers that is underway.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location I	nformation			Parameter	Medium
				Basis						Remarks
31	6300	5	N	COLUMBIA RIVER	NN57SG	45119J3D0	45.935	119.305	Temperature	water Water
				U.S. Army Corp of Engineers (2001) station MCPW (McNary Tailwater) shows 45 days exceed	eding the n	umeric criterion	(20 deg. C)	in 2000.		Same location as U.S. Army Corp of Engineers Station MCNTW. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
31	7964	5	Υ	COLUMBIA RIVER	NN57SG	45120H6B8	45.715	120.685	Temperature	. Water
				Tanner, et al. 1996., 56 excursions beyond the criterion out of 170 samples (33%) at the Joh	nn Day Dar	m Forebay in 19	96.;			EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
				U.S. Army Corp of Engineers (2001) station JDA (John Day Forebay) shows 60 day exceeding	ng the crite	rion in 2000.				and shake tarele that is undermay.
31	11094	5	N	COLUMBIA RIVER	NN57SG	45119J3D2	45.935	119.325	Temperature	. Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 31A070 (COLUMBIA RIVER AT samples collected between 1993 - 2001 measured on these dates: 94/08/08, 95/09/11, 97/08		A) shows 3 excu	ursions beyo	nd the criterior	out of 61	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
31	21541	5	N	COLUMBIA RIVER	NN57SG	46118A9G4	46.065	118.945	Temperature	. Water
and				Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedance	ces of the r	numeric tempera	ature criteria	of 20°C at RM	318.5 in 2002	Northwest Pulp and Paper Association presented rationale
anu				and 2003.						a two year study performed by Parametrix (12/16/02 and

the

3/15/04) that temperatures higher than the 20°C numeric criteria are a natural condition and the segment meets the state water quality standard for temperature. Ecology required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and

associated listing in 2003 for natural conditions, but has not yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.

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WRIA	Listing ID C	ategory	98 List?	Waterbody Name Basis	Location Ir	nformation			Parameter	Medium Remarks
31 and	21542	5	N	COLUMBIA RIVER Continuous monitoring data from a study by Parametrix (2002 and 2004) indicates exceedar and 2003.		46118A9E5 numeric temper	46.045 ature criteria	118.955 of 20°C at RM	Temperature 313.4 in 2002	
the										required pulp mills on the Columbia and White/Stuck River to perform a two-year ambient water temperature monitoring study in accordance with Ecologys WQP 1-11 and quality assurance requirements. Ecology reviewed this study and associated listing in 2003 for natural conditions, but has not not made a determination of natural conditions for these
										yet made a determination of natural conditions for these rivers. EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway that may address this issue. The Parametrix study measured temperature data upstream and downstream of pulp mills along the rivers and found the mills did not have a measurable effect on temperatures (the associated discharges do not exceed 0.3 degrees). This study will be valuable for verifying that pulp mills do not contribute a significant increase in temperature when load allocations are being considered in the TMDL.
31	18801	5	N	COLUMBIA RIVER	NN57SG	45120H3A5	45.705	120.355	Total PCBs	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-C (River Mile 233.2) sample #97500957.	riterion fron	n Channel Catf	ish composit	e of 8 fillet with	skin collected	
31	18802	5	N	COLUMBIA RIVER	NN57SG	45120G4J5	45.695	120.455	Total PCBs	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of in 1997 at station 8-B (River Mile 228.5) sample #97500956.	riterion fron	n Channel Catf	ish composit	e of 9 fillet with	skin collected	
31	7967	5	N	ROCK CREEK	NF41CH	0 05N	17E 13		Temperature	Water
probably				Mattews, 1992. shows 7-day means of daily maximums of 23.7 during 1990 and 1991.						Changed from Category 4B to Category 5 on 3/24/05 because Ecology has not been able to confirm the results of implementation of items contained within the MOU. When further information becomes available, this listing will
probably										become a Category 1 or 2 based upon that datakk
										This listing was taken off the 303(d) list in the 1996 assessment based on the approved Memorandum of Agreement dated 7/9/96 between Ecology and the Eastern Klickitat Conservation District.

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WRIA	Listing ID Category	/ 98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Demonto	Medium
			Basis							Remarks	
32	24240 5	N	BLUE CREEK	BN32DU	0	07N	37E	26	Temperature	•	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 26 degrees C, with a maximum daily temperature of 27.2 degrees C from continuous mea Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C, with a maximum daily temperature of 28.2 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C from continuous meaning the submitted by Glen Mendel on 3 of 26.6 degrees C fr	asurements 3 December	collected 2002) sh	in 2001 ow a 7-	at Jus day m	st above Mill Ck Rd lean of maximum da	Brg. aily temperature		
32	24242 5	N	CALDWELL CREEK	YY09VX	0	06N	36E	37	Temperature	e	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.9 degrees C, with a maximum daily temperature of 25 degrees C from continuous measurements. Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7 maximum daily temperature of 24.6 degrees C from continuous measurements collected in 2 degrees.	asurements '-day mean	collected of maxim	in 2001	at 3rd	d Ave. Washington [Department of		
32	24244 5	N	COLD CREEK	HV66NE	0.224	07N	35E	32	Temperature	9	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 20 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous mendegrees C, with a maximum daily temperature of 23.1 degrees C from continuous measurem of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 20.9 degrees C from continuous measurements collected in	asurements 2002) show nents collec a 7-day mea	collected a 7-day r ted in 200 an of max	in 200 nean of 01 at La imum d	at La maxir st Cha	ast Chance Rd. Was num daily temperat ance Rd. Washingto	shington ure of 22.3 on Department		
32	24245 5	N	COPPEI CREEK	RT07DK	7.922	09N	37E	36	Temperature	•	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 26 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous mean Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 3 degrees C, with a maximum daily temperature of 26.6 degrees C from continuous measurem of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 26.8 degrees C from continuous measurements collected in Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2 maximum daily temperatur	asurements 2002) show nents collect a 7-day me n 2001 at M nean of maxi	collected a 7-day r ted in 200 an of max cCowan I mum dail	in 1999 nean of 00 at M kimum o Rd. Brg y tempo	at Mo maxir Cowa daily te Wash	COwan Rd. Brg. Wa mum daily temperati an Rd. Brg. Washing emperature of 25.9 on nington Department	ashington ure of 25.9 gton Departmen degrees C, with of Fish &		
32	24246 5	N	COPPEI CREEK, N.F.	GW49AT	0	08N	38E	07	Temperature	•	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 22.6 degrees C, with a maximum daily temperature of 24 degrees C from continuous mea						aily temperature		

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatic	n			Parameter	Remarks	Medium
32	24247	5	N	COPPEI CREEK, N.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 21.6 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 21.3 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 21.3 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous m	neasurement 3 December neasurement 3 December	r 2002) sh ts collecte r 2002) sh ts collecte r 2002) sh	now a 7 ed in 19 now a 7 ed in 20 now a 7	99 at (-day m 00 at (-day m	nean of maximum Grain Elevators (R nean of maximum Grain Elevators (R nean of maximum	M 0.8) daily temperature M 0.8) daily temperature	9	Water
32	23674	5	N	COPPEI CREEK, S.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 22.6 degrees C, with a maximum daily temperature of 23.9 degrees C from continuous maximum daily temperature of 23.0 degrees C from cont		2002) sł	now a 7		nean of maximum			Water
32	24248	5	N	COPPEI CREEK, S.F. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 21.6 degrees C, with a maximum daily temperature of 22.8 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 20.9 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 21.6 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous m	neasurement 3 December neasurement 3 December	ts collecter 2002) sh ts collecter 2002) sh	now a 7 ed in 19 now a 7 ed in 20 now a 7	99 at (-day m 00 at (-day m	nean of maximum Canyon Culvert (R nean of maximum Canyon Culvert (R nean of maximum	M 3.2) daily temperature M 3.2) daily temperature) }	Water
32	23675	5	N	COTTONWOOD CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 25.7 degrees C, with a maximum daily temperature of 27.2 degrees C from continuous m of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 22.7 degrees C from continuous measurements collected in	neasurement v a 7-day me	ts collecte an of ma	now a 7 ed in 20 ximum	01 at E	nean of maximum o Braden Rd. Washi	ngton Departmer	e nt	Water
32	23676	5	N	COTTONWOOD CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 26 degrees C, with a maximum daily temperature of 27 degrees C from continuous measurements will be will b	surements co 7-day mean	ollected ir of maxim	2001 a	at Hoo	nean of maximum of Rd. Washington	Department of		Water
32	23677	5	N	DOAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 20 degrees C, with a maximum daily temperature of 22.7 degrees C from continuous mediate Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 21.2 degrees C from continuous measure of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 22.2 degrees C from continuous measurements collected in the continuous measurements col	easurements 2002) show ments collect a 7-day mea	collected a 7-day ted in 20 an of max	how a 7 d in 200 mean o 01 at W timum o	0 at W f maxii hitmar	mean of maximum /hitman Mission W mum daily tempera n Mission Washing	ashington ature of 20.7 gton Department		Water

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WRIA	Listing ID Catego	ry 98 L	t? Waterbody Name	Location Ir	nformatio	n			Parameter	Medium
			Basis						Remarks	
32	41337 5	S N	DRY CREEK	OT03FJ	0	07N	34E	29	Dissolved oxygen	Water
			Swanson, T., (2003), station 32DRY-00.5 shows 1 sample exceeded the criterion in	year 2003 and 1 sa	mple exc	eeded t	he crit	erion in 2002.		
32	41636 5	, N	DRY CREEK	OT03FJ	0	07N	34E	29	Fecal Coliform	Water
			Swanson, T., (2004), station 32DRY-00.5 shows that 2 of 3 samples (66.7%) collect	ted in 2003 exceed t	he percer	ntile crit	erion.			
32	23679 5	S N	DRY CREEK, N.F.	OT03FJ	52.542	07N	38E	08	Temperature	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mer of 20 degrees C, with a maximum daily temperature of 21.6 degrees C from continue Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 Dec degrees C, with a maximum daily temperature of 20.9 degrees C from continuous m Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 Dec degrees C, with a maximum daily temperature of 20.3 degrees C from continuous m Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 Dec degrees C, with a maximum daily temperature of 20.7 degrees C from continuous m	ous measurements of cember 2002) show the asurements collect cember 2002) show the asurements collect cember 2002) show the asurements collect cember 2002) show	collected a 7-day r ted in 200 a 7-day r ted in 200 a 7-day r	in 1999 nean of 00 at 0.4 nean of 01 at 0.4 nean of	at 0.4 maxir 4 mi up maxir 4 mi up maxir	mi up Scott Rd. W mum daily temperat o Scott Rd. Washing mum daily temperat o Scott Rd. Washing mum daily temperat	ashington ure of 13.9 gton ure of 19.5 gton	
32	23678 5	S N	DRY CREEK, S.F.	ОН98НК	0.737	07N	38E	17	Temperature	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mer of 24.7 degrees C, with a maximum daily temperature of 26.4 degrees C from contin Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mer of 23.1 degrees C, with a maximum daily temperature of 24.3 degrees C from contin Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mer of 23.8 degrees C, with a maximum daily temperature of 24.5 degrees C from contin Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mer of 24.9 degrees C, with a maximum daily temperature of 26.3 degrees C from contin	nuous measurement ndel on 3 December nuous measurement ndel on 3 December nuous measurement ndel on 3 December	s collecte 2002) sh s collecte 2002) sh s collecte 2002) sh	d in 199 ow a 7- d in 200 ow a 7- d in 200 ow a 7-	99 at 0 day m 00 at 0 day m 01 at 0 day m	0.5 mi up Biscuit Rice lean of maximum de 0.5 mi up Biscuit Rice lean of maximum de 0.5 mi up Biscuit Rice lean of maximum de	lge Rd. aily temperature Ige Rd. aily temperature Ige Rd. aily temperature	
32	40968 5	;	GARRISON CREEK	DH35GB	0.66	06N	35E	03	4,4'-DDD	Water
			White et al. 1998. show excursion beyond the criterion at stations GU2 and GD2 col	llected in 1996.						
32	40969 5	;	GARRISON CREEK	DH35GB	0.66	06N	35E	03	4,4'-DDE	Water
			White et al. 1998. show excursion beyond the criterion at stations GU2, GE1, and G	D2 collected in 1996	5.					
32	14386 5	S N	GARRISON CREEK	DH35GB	0.66	06N	35E	03	4,4'-DDT	Water

White et al. 1998. show excursion beyond the criterion at stations GU2 collected in 1996.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location Ir	nformation	า			Parameter Remarks	Medium
32	41869	5	N	GARRISON CREEK Swanson, T., (2004), station 32GAR-00.5 shows a total of 8 samples in years 2002 and 2003 exceeded the acute criterion. White et al. 1998. show 1 excursions beyond the criterion at station GD1 collected on 19 Se		the chron		35E erion an		Ammonia-N e in year 2002 Listing ID 12380 (Water combined with this listing. 12/08/04 -kk
32	14251	5	N	GARRISON CREEK White et al. 1998. show excursions beyond the criterion at station GU2 on 17 September 19	DH35GB 996 and 19 S			35E	03	Chlorine	Water
32	14287	5	N	GARRISON CREEK White et al. 1998. show excursions beyond the criterion at station GD4 on 17 September 19	DH35GB 996 and 19 S	-		35E	39	Chlorine	Water
32	41338	5	N	GARRISON CREEK Swanson, T., (2003), station 32GAR-00.5 shows 2 samples exceeded the criterion in year 20	DH35GB 003 and 8 sa			35E ed the c		Dissolved oxygen	Water
				White et al. 1998, shows excursions beyond the criterion from measurements collected at sta	ations GU2,	GD1 and	I GD2 i	in 1996			
32	12381	5	N	GARRISON CREEK White et al. 1998. show excursions beyond both criterion at station GD4 in 1996.	DH35GB	0	06N	35E	39	Fecal Coliform	Water
32	12382	5	N	GARRISON CREEK Swanson, T., (2004), station 32GAR-00.5 shows the geometric mean of 115.3 exceeds the opercentile criterion.	DH35GB criterion and			35E (37.5%		Fecal Coliform exceed the	Water
				Swanson, T., (2004), station 32GAR-00.5 shows the geometric mean of 360.7 exceeds the opercentile criterion;	riterion and	5 of 8 sa	mples	(62.5%) collected in 2002 e	exceed the	
				White et al. 1998, show excursions beyond both criterion at stations GU2, GD1 and GD2 in 7	1996.						
32	14389	5	N	GARRISON CREEK White et al. 1998. show 1 excursion beyond the National Toxic Rule criterion from a composition of the Composi	DH35GB site sample			35E collected		Hexachlorobenzene	Water
32	14176	5	N	GARRISON CREEK White et al. 1998. show the 7-day mean of daily maximum values exceed the criterion at sta	DH35GB ations GU1 a	-		35E	39	Temperature	Water

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GARRISON CREEK Ν 32 14177

DH35GB 0.66 06N 35E 03 Temperature Water

Swanson, T., (2003), station 32GAR-00.5 shows 9 samples exceeded the criterion in years 2002 and 2003.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.6 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2000 at Mission Rd.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 26.2 degrees C, with a maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2001 at Mission Rd.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements collected in 2002 at Mission Rd.

White et al. 1998, show the 7-day mean of daily maximum values exceed the criterion at station GD4 in 1996.

23685 32 5 Ν JIM CREEK

SP57BG 0 09N 40E 30

Temperature

Water

Water

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 1999 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.1 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous measurements collected in 2000 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 18.9 degrees C, with a maximum daily temperature of 19.5 degrees C from continuous measurements collected in 2001 at 0.2 mi up Jim Ck Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 19.7 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 2002 at 0.2 mi up Jim Ck Rd.

32 23686 5 Ν **LEWIS CREEK**

08N 40E 09 ZH05OC 0.023

Temperature

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 13.9 degrees C, with a maximum daily temperature of 14.7 degrees C from continuous measurements collected in 1999 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 14.3 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2000 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 14.1 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2001 at NF Touchet Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 16.8 degrees C from continuous measurements collected in 2002 at NF Touchet Rd.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location Inf	formatio	n			Parameter		Medium
				Basis							Remarks	
32	23680	5	N	LITTLE WALLA WALLA RIVER, EAST	XO26DW	0	06N	35E	38	Temperat	ure	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 20.6 degrees C, with a maximum daily temperature of 21 degrees C from continuous mediated Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 21.9 degrees C from continuous measurer Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 14.6 degrees C from continuous measurements collected in Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel of temperature of 21 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in temperature of 21 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in temperature of 21 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in temperature of 21 degrees C, with a maximum daily temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperature of 24.3 degrees C from continuous measurements collected in temperatu	easurements of 2002) show a ments collecte 7-day mean of 2002 at Sprin n 3 Decembe	collected a 7-day red in 200 f maxim gdale R r 2002)	l in 200 mean o 01 at S _l um dail d. show a	0 at Sp f maxir oringda y temp 7-day	pringda mum da ale Rd. perature mean	lle Rd. Washington aily temperature of 21 Washington Department of a of 13.6 degrees C, with a of maximum daily	of	
32	23682	5	N	LITTLE WALLA WALLA RIVER, EAST	XO26DW	1.615	06N	35E	11	Temperat	ure	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 18.8 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature of 19.3 degrees C from continuous maximum daily temperature daily							ire	
32	23789	5	N	LITTLE WALLA WALLA RIVER, WEST	YA44BO	5.258	06N	35E	09	Temperat	ure	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 26.2 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature of 27.7 degrees C from continuous maximum daily temperature daily							ire	
32	23790	5	N	LITTLE WALLA WALLA RIVER, WEST	YA44BO	1.258	06N	35E	05	Temperat	ure	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 24.2 degrees C, with a maximum daily temperature of 27.9 degrees C from continuous m Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 29.9 degrees C from continuous measures	neasurements 2002) show a	collecte a 7-day r	ed in 20 mean o	01 at A f maxir	Above S mum da	Swegle Rd. Washington aily temperature of 28	re	
32	41441	5	N	MILL CREEK	SS77BG	17.113	07N	36E	23	Dissolved	oxygen	Water
				Swanson, T., (2003), station 32MIL-11.5 shows 2 samples exceeded the criterion in year 20	003 and 5 san	nples ex	ceedec	I the cr	riterion	in year 2002.		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Wabetween 1993 - 2001.	y) shows 0 ex	ccursion	s beyor	nd the o	criterio	n out of 9 samples collecte	ed	
32	41469	5	N	MILL CREEK	SS77BG	0	07N	35E	38	Dissolved	oxygen	Water
				Hallock (2003), Dept. of Ecology ambient station 32C070 shows a total of 2 samples in year	r 2003 exceed	ded the o	criterior	1.				egory 2 to Category 5 on 01/21/05 due to isting ID 42524 (cat 2)kk

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Swanson, T., (2003), station 32MIL-00.5 shows 1 sample exceeded the criterion in year 2002.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Remarks	Medium
32	41638	5	N	MILL CREEK Swanson, T., (2004), station 32MIL-06.7 shows the geometric mean of 229.7 exceeds the crepercentile criterion. Swanson, T., (2004), station 32MIL-06.7 shows the geometric mean of 1383.8 exceeds the opercentile criterion; Swanson, T., (2004), station 32MIL-06.9 shows that 1 of 1 samples (100%) collected in 2002 collected in 2003 exceed the percentile criterion.	criterion and	4 of 7 sar I 8 of 8 sa	mples (s	57.1%) (100%	collected in 2003 ex	xceed the	rm	Water
32	41641	5	N	MILL CREEK Swanson, T., (2004), station 32MIL-07.0 shows that 1 of 1 samples (100%) collected in 2003 Swanson, T., (2004), station 32MIL-07.1 shows that 2 of 2 samples (100%) collected in 2003 Swanson, T., (2004), station 32MIL-07.2 shows that 1 of 1 samples (100%) collected in 2003 Swanson, T., (2004), station 32MIL-07.3 shows that 1 of 1 samples (100%) collected in 2003 Swanson, T., (2004), station 32MIL-07.4 shows that 1 of 1 samples (100%) collected in 2003	2 exceed the 3 exceed the 2 exceed the	e percenti e percenti e percenti	ile crite ile crite ile crite	rion. rion. rion.	20	Fecal Colifo	rm	Water
32	41645	5	N	MILL CREEK Swanson, T., (2004), station 32MIL-08.5 shows that 2 of 2 samples (100%) collected in 2002	SS77BG 2 exceed the				21	Fecal Colifo	rm	Water
32	41710	5	N	MILL CREEK Hallock (2004), Dept. of Ecology ambient station 32C070 shows 1 of 3 samples (33.3%) in y Swanson, T. (2004), station 32MIL-00.5 shows the geometric mean of 362.4 exceeds the cripercentile criterion.		ceeded t	he perc		criterion.	Fecal Colifo	rm	Water
32	11119	5	Y	MILL CREEK Swanson, T., (2003), station 32MIL-11.5 shows that 5 of 22 samples exceed the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Way between 1993 - 2001.	SS77BG /) shows 5 e					pH ples collected	High pH	Water
32	41164	5	N	MILL CREEK Swanson, T., (2003), station 32MIL-06.7 shows that 3 of 16 samples exceed the criterion.	SS77BG	10.145	07N	36E	19	рН		Water
32	41329	5	N	MILL CREEK Swanson, T., (2003), station 32MIL-04.8 shows that 6 of 18 samples exceed the criterion.	SS77BG	8.402	07N	35E	24	рН		Water

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Swanson, T., (2003), station 32MIL-08,5 shows 2 samples exceeded the criterion in years 2002 and 2003,

Swanson, T., (2003), station 32MIL-08.9 shows 1 samples exceeded the criterion in year 2002.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 33.1 degrees C, with a maximum daily temperature of 34.5 degrees C from continuous measurements collected in 2002 at Roosevelt.

SS77BG 13.732 07N 36E 21

SS77BG 18.352 07N 36E 37

SS77BG 17.113 07N 36E 23

Temperature

Temperature

Temperature

Water

Water

Water

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 31.6 degrees C, with a maximum daily temperature of 32.9 degrees C from continuous measurements collected in 2001 at Roosevelt.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.8 degrees C, with a maximum daily temperature of 29.6 degrees C from continuous measurements collected in 2001 at Wildwood Park

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.9 degrees C, with a maximum daily temperature of 28.9 degrees C from continuous measurements collected in 2001 at Clinton St.

32 23689 5 N MILL CREEK

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5

23688

32

MILL CREEK

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.3 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous measurements collected in 2001 at Above Cold Return (bottom of Rooks Park) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.9 degrees C, with a maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2002 at Above Cold Return (bottom of Rooks Park).

32 23690 5 Y MILL CREEK

Swanson, T., (2003), station 32MIL-11.5 shows 11 samples exceeded the criterion in years 2002 and 2003.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26.7 degrees C from continuous measurements collected in 2002 at In Cold Return (bottom of Rooks Park).

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 16.1 degrees C, with a maximum daily temperature of 21.2 degrees C from continuous measurements collected in 2001 at In Cold Return (bottom of Rooks Park).

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23 degrees C, with a maximum daily temperature of 23.8 degrees C from continuous measurements collected in 2001 at Below Cold Return (bottom of Rooks Park) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.5 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 2002 at Below Cold Return (bottom of Rooks Park)

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32C110 (Mill Cr @ Tausick Way) shows 3 excursions beyond the criterion out of 9 samples collected between 1993 - 2001 measured on these dates: 93/07/05. 93/08/02. 93/09/06.

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WRIA	WRIA Listing ID Category 98 List		98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
32	23761	5	N	MILL CREEK Swanson, T., (2003), station 32MIL-00.5 shows 10 samples exceeded the criterion in years 2 Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 28 degrees C, with a maximum daily temperature of 29.2 degrees C from continuous mea Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.2 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous me	B Decembers December	003. r 2002) sh collected r 2002) sh	ow a 7- in 2002 ow a 7-	at Sw day m	ean of maximum egel Rd. Brg. ean of maximum			Water
32	23762	5	N	MILL CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 27.3 degrees C, with a maximum daily temperature of 28.1 degrees C from continuous me Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 31.3 degrees C from continuous measurements.)	B December easurement 2002) show	ts collecte a 7-day r	ow a 7- d in 200 nean of	day m 01 at T maxir	ean of maximum ausic Way Brg. V num daily tempera	/ashington		Water
32	23764	5	N	MILL CREEK Swanson, T., (2003), station 32MIL-12.8 shows 6 samples exceeded the criterion in years 20 Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.4 degrees C, with a maximum daily temperature of 22.1 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.3 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous medical data (submitted by Glen Mendel on 3 of 23.5 degrees C from continuous m	B December B December B December B December B December	03. r 2002) shts collecter 2002) shts collecter 2002) shts collecter 2002) sh	ow a 7- d in 200 ow a 7- d in 200 ow a 7-	day m D2 at F day m D1 at F	ean of maximum ivemile Rd. ean of maximum ivemile Rd. ean of maximum	daily temperature		Water
32	23765	5	N	MILL CREEK Swanson, T., (2003), station 32COT-01.0 shows 1 samples exceeded the criterion in year 20 Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 28.3 degrees C, with a maximum daily temperature of 30 degrees C from continuous mean of 24.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous means of 24.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous means of 24.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous means of 24.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous means of 24.9 degrees C from continuous means	B Decembers December	r 2002) sh collected r 2002) sh	in 2002 ow a 7-	day m at Go	ean of maximum se St.	, ,		Water

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
32	23766	5	N	MILL CREEK Swanson, T., (2003), station 32MIL-06.7 shows 8 samples exceeded the criterion in years 2 Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.5 degrees C, with a maximum daily temperature of 27.5 degrees C from continuous maximum daily temperature of 27.5 degrees C.	3 December	03. r 2002) sh	ow a 7	'-day m	nean of maximum da	Temperature ily temperature		Water
		_		Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.8 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily temperature of 26.9 degrees C from continuous maximum daily dai	easuremen	ts collecte	d in 20	001 at 9	oth Ave.	,		
32	23768	5	N	MILL CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.2 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous model on 3 December 2 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measurements of 21.6 degrees C from continuous measurements.	easurement 2002) show	2002) sh ts collecte a 7-day r	ow a 7 d in 20 nean d	'-day m)01 at \ of maxii	nean of maximum da Vickersham Brg. Wa mum daily temperatu	shington	•	Water
32	41646	5	N	MUD CREEK	AN63IZ	0.366	-	34E	31	Fecal Colifor	rm	Water
				Swanson, T., (2004), station 32MUD-00.5 shows that 2 of 2 samples (100%) collected in 200	03 exceed t	he percer	ntile cri	terion.				
32	23769	5	N	PINE CREEK Swanson, T., (2003), station 32PIN-01.4 shows 3 samples exceeded the criterion in years 2	ZX47PC 002 and 20		06N	33E	01	Temperature	•	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 27.9 degrees C, with a maximum daily temperature of 29.5 degrees C from continuous mendel on 29.5 degrees C from continuous men						ily temperature		
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 28.4 degrees C, with a maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily temperature of 29.9 degrees C from continuous maximum daily dai						ily temperature		
32	23770	5	N	PINE CREEK	ZX47PC	4.774	06N	34E	07	Temperature	•	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 30.1 degrees C, with a maximum daily temperature of 30.9 degrees C from continuous moderated by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 28.7 degrees C from continuous measurements of 28.7 degrees C from continuous measurements.	easurement 2002) show	ts collecte a 7-day r	d in 20 nean o	001 at S of maxio	Stateline Rd. Washin mum daily temperatu	gton		
32	23771	5	N	ROBINSON CREEK (FORK)	HP78FD	1.868	09N	39E	35	Temperature	1	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 25.6 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous m Rd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel temperature of 26.6 degrees C, with a maximum daily temperature of 27 degrees C from control Robinson Fork Rd.	neasuremer on 3 Decer	nts collect	ed in 20 2) show	000 at v a 7-da	Below 2nd Brg. on R ay mean of maximun	tobinson Fork n daily		

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name	Location I	Informatio	า			Paran	meter		Medium
				Basis							F	Remarks	
32	23772	5	N	ROBINSON CREEK (FORK)	HP78FD	7.459	08N	39E	15	Tem	perature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 17.1 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous me Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7 maximum daily temperature of 18.6 degrees C from continuous measurements collected in 2	easuremen '-day mear	ts collecte of maxim	d in 199	99 at F	RM 5.8	8 Washington Depart	tment of		
32	41671	5	N	RUSSELL CREEK	GU90FL	0.223	06N	36E	37	Feca	al Coliform	1	Water
				Swanson, T., (2004), station 32RUS-00.1 shows that 2 of 2 samples (100%) collected in 200 collected in 2003 exceed the percentile criterion.	2 exceed t	he percen	tile crite	rion a	and tha	at 2 of 3 samples (66.	.6%)		
32	23773	5	N	RUSSELL CREEK	GU90FL	0.223	06N	36E	37	Tem	perature		Water
				Swanson, T., (2003), station 32YEL-00.2 shows 5 samples exceeded the criterion in years 2	002 and 20	003.							
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.7 degrees C, with a maximum daily temperature of 23.5 degrees C from continuous me							perature		
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.2 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous me							perature		
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 18.5 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous me							perature		
32	11099	5	N	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	Diss	solved oxy	gen	Water
				Swanson, T., (2003), station 32TOU-00.5 shows 1 sample exceeded the criterion in year 200	02.								gory 2 to Category 5 on 01/21/05 due to sting ID 41351 (cat 2)kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) between 1993 - 2001 measured on these dates: 97/07/07, 97/08/04, 97/09/08.	shows 3	excursions	beyon	d the o	criterio	on out of 12 samples		onomaton with Lie	Many 15 47007 (04.2). NK
32	41352	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	Diss	olved oxy	gen	Water
				Hallock (2003), Dept. of Ecology ambient station 32B075 shows a total of 2 samples in year	2003 exce	eded the c	riterion						gory 2 to Category 5 on 01/21/05 due to sting ID 42521 (cat 2)kk
				Swanson, T., (2003), station 32TOU-02.0 shows 2 samples exceeded the criterion in year 20	002.							onsolidation with Li	suing 10 42321 (cat 2)kk
32	16784	5	N	TOUCHET RIVER	LV94PX	74.35	09N	37E	08	Feca	al Coliform	1	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B100 (Touchet R @ Bolles) the samples exceeds the percentile criterion from 6 samples collected during 1999.	shows a ge	ometric m	ean of	102 ex	xceed	ls the criterion and tha	at 33% of		

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
32	16787	5	Y	TOUCHET RIVER Swanson, T., (2004), station 32TOU-00.5 shows the geometric mean of 119.8 exceeds the opercentile criterion and that 2 of 8 samples (25%) collected in 2003 exceed the percentile criterion.			-	33E (50%)		Fecal Colifor	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R. at Touchet that 0% of the samples does not exceed the percentile criterion from 3 samples collected du) shows a gring 1996.						
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R. at Touchet that 22% of the samples exceeds the percentile criterion from 9 samples collected during 19		eometric	mean c	of 100 c	does not exceed the	criterion and	
32	41245	5	N	TOUCHET RIVER	LV94PX	62.817	09N	36E	05	Fecal Colifor	rm Water
				Swanson, T., (2004), station 32TOU-34.2 shows the geometric mean of 106.1 exceeds the opercentile criterion.	criterion and	d 3 of 8 sa	amples	(37.5%	s) collected in 2002 e	exceed the	
32	41246	5	N	TOUCHET RIVER	LV94PX	66.316	09N	36E	03	Fecal Colifor	rm Water
				Swanson, T., (2004), station 32TOU-36.6 shows that 2 of 2 samples (100%) collected in 200	2 exceed to	he percer	tile crite	erion.			
32	41652	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	Fecal Colifor	rm Water
				Hallock (2004), Dept. of Ecology ambient station 32B075 shows 3 of 9 samples (33.3%) in y	ear 2003 ex	ceeded t	he perc	entile (criterion.		
				Swanson, T., (2004), station 32TOU-02.0 shows the geometric mean of 150.8 exceeds the opercentile criterion.	criterion and	d 3 of 8 sa	amples	(37.5%	s) collected in 2002 e	exceed the	
32	11096	5	N	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	рН	Water
				Swanson, T., (2003), station 32TOU-00.5 shows that 4 of 15 samples exceed the criterion.							Changed from Category 1 to Category 5 on 01/14/05 due to consolidation with Listing ID 41176kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) between 1993 - 2001.	shows 0 e	excursion	s beyor	d the c	criterion out of 12 sa	mples collected	· · · · · · · · · · · · · · · · · · ·
32	41177	5	N	TOUCHET RIVER	LV94PX	2.786	07N	33E	27	рН	Water
				Hallock (2004), Dept. of Ecology ambient station 32B075 shows that of 12 samples none ex-	ceed the cri	terion.					
				Swanson, T., (2003), station 32TOU-02.0 shows that 4 of 16 samples exceed the criterion.							
32	41178	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-07.0 shows that 9 of 15 samples exceed the criterion.	LV94PX	11.632	07N	33E	02	рН	Water
32	41179	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-14.2 shows that 3 of 5 samples exceed the criterion.	LV94PX	25.773	08N	33E	02	рН	Water

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WRIA	Listing ID Categ	ory 9	98 List?	Waterbody Name Basis	Location Ir	nformation	1			Parameter	Remarks	Medium
32	41180	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-17.8 shows that 8 of 17 samples exceed the criterion.	LV94PX	32.443	09N	34E	32	pН		Water
32	41181	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-25.0 shows that 4 of 7 samples exceed the criterion.	LV94PX	44.592	09N	34E	02	pН		Water
32	41183	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-34.2 shows that 6 of 16 samples exceed the criterion.	LV94PX	62.817	09N	36E	05	pН		Water
32	41185	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-40.5 shows that 13 of 22 samples exceed the criterion.	LV94PX	72.252	09N	37E	07	pН		Water
32	41186	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-44.2 shows that 6 of 6 samples exceed the criterion.	LV94PX	80.621	09N	37E	11	pН		Water
32	41187	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-46.2 shows that 7 of 16 samples exceed the criterion.	LV94PX	84.294	09N	38E	07	рН		Water
32	41188	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-48.4 shows that 5 of 5 samples exceed the criterion.	LV94PX	88.428	09N	38E	04	pН		Water
32	41189	5	N	TOUCHET RIVER Swanson, T., (2003), station 32TOU-51.2 shows that 5 of 16 samples exceed the criterion.	LV94PX	92.077	10N	38E	35	рН		Water
32	11098	5	Y	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	Temperature	е	Water

Swanson, T., (2003), station 32TOU-00.5 shows 9 samples exceeded the criterion in years 2002 and 2003.

Changed from Category 2 to Category 5 on 01/20/05 due to the consolidation with Listing ID 41082 (cat 2). -kk

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32B070 (Touchet R @ Touchet) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 97/07/07, 97/08/04.

The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.

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32 23775 5 N TOUCHET RIVER

LV94PX 2.786 07N 33E 27 Temperature

Water

Swanson, T., (2003), station 32TOU-02.0 shows 12 samples exceeded the criterion in years 2002 and 2003.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.6 degrees C, with a maximum daily temperature of 29.8 degrees C from continuous measurements collected in 2001 at Above Cummins Brg.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 29 degrees C, with a maximum daily temperature of 30.6 degrees C from continuous measurements collected in 2000 at Above Cummins Brg.

32 23776 5 N TOUCHET RIVER

LV94PX 74.35 09N 37E 08

Temperature

Water

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.1 degrees C, with a maximum daily temperature of 28.3 degrees C from continuous measurements collected in 1999 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous measurements collected in 2000 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.3 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 2001 at Bolles Brg. on highway 124 east of Waitsburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 10.6 degrees C, with a maximum daily temperature of 12.2 degrees C from continuous measurements collected in 2001 at Bolles Brg. on highway 124 east of Waitsburg

32 23777 5 N TOUCHET RIVER

LV94PX 44.592 09N 34E 02

Temperature

Water

Swanson, T., (2003), station 32TOU-25.0 shows 4 samples exceeded the criterion in years 2002 and 2003.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 30.7 degrees C, with a maximum daily temperature of 31.6 degrees C from continuous measurements collected in 2001 at Lamar Rd.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 28.5 degrees C, with a maximum daily temperature of 29.3 degrees C from continuous measurements collected in 2000 at Lamar Rd.

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.3 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 1999 at Lamar Rd.

32 23778 5 N TOUCHET RIVER

LV94PX 86.636 09N 38E 05

Temperature

Water

Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.7 degrees C, with a maximum daily temperature of 26 degrees C from continuous measurements collected in 1999 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.6 degrees C, with a maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2000 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.6 degrees C, with a maximum daily temperature of 26.5 degrees C from continuous measurements collected in 2001 at Lewis & Clark State Park east of Dayton Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 25.5 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurements collected in 2002 at Lewis & Clark State Park east of Dayton

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium	
				Basis							Remarks	
32	40510	5	N	TOUCHET RIVER	LV94PX	88.428	09N	38E	04	Temperatur	e Water	
				Swanson, T., (2003), station 32TOU-48.4 shows 2 samples exceeded the criterion in year 2	2002.						Changed from Category 2 to Category 5 on 01/20/05 due to	
				Krause et al. (2001), show excursions beyond the criterion in 1999 and 2000 at station TT	consolidation with Listing ID 41094 (cat 2)kk							
32	15917	5	N	TOUCHET RIVER	LV94PX	0.317	07N	33E	33	Turbidity	Water	
				Hallock, 2002. shows 11 excursions beyond the criterion out of 12 samples collected between 1992 and 2001 derived by the difference between the upstream station 32B140 (Touchet R above Dayton) and the downstream station 32B070 (Touchet R @ Touchet).								
32	41444	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	0	10N	39E	32	Dissolved o	oxygen Water	
				Swanson, T., (2003), station 32NFT-00.0 shows 1 sample exceeded the criterion in year 20	03 and 3 sar	mples ex	ceeded	the cri	terion in year 2002	<u>.</u> .		
32	23779	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	1.467	09N	39E	04	Temperature	e Water	
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 24.2 degrees C from continuous measurements collected in 1999 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.1 degrees C from continuous measurements collected in 2000 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous measurements collected in 2001 at 1.4 mi above Baileysburg Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.8 degrees C, with a maximum daily temperature of 24.9 degrees C from continuous measurements collected in 2002 at 1.4 mi above Baileysburg								
32	23780	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	23.036	08N	40E	28	Temperatur	e Water	
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 14.3 degrees C, with a maximum daily temperature of 15.3 degrees C from continuous n Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 15.9 degrees C from continuous measure Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 16.4 degrees C from continuous measure Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C with a maximum daily temperature of 16.4 degrees C from continuous measure	neasurement 2002) show ments collect 2002) show ments collect 2002) show	ts collecte a 7-day ted in 20 a 7-day ted in 20 a 7-day	ed in 19 mean o 00 at M mean o 01 at M mean o	99 at Medical forms of the second of the sec	Mouth of Spangler of the Mound daily tempera of Spangler Ck Was mum daily tempera of Spangler Ck Was mum daily tempera	Ck Washington ture of 15.4 hington ture of 16.2 hington		

Umatilla National Forest unpublished data from station NFTCHTFB (NF Touchet Rvr @ FS Bdy) show a maximum 7-day mean of maximum daily tempertures of 15 degrees C and a maximum daily value of 15 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station NF Touchet Rvr @ FS Bdy (EQ96YO) show a maximum 7-day mean of maximum daily tempertures of 15 degrees C and a maximum daily value of 13.9 degrees C from measurements collected in 2002.

degrees C, with a maximum daily temperature of 17.9 degrees C from continuous measurements collected in 2002 at Mouth of Spangler Ck

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location Ir	nformation	n			Parameter		Medium
				Basis							Remarks	
32	23781	5	N	TOUCHET RIVER, N.F. (E.F.)	EQ96XO	11.636	09N	40E	30	Temperature	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.1 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous metashington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.5 degrees C, with a maximum daily temperature of 19.9 degrees C from continuous metashington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.6 degrees C, with a maximum daily temperature of 20.2 degrees C from continuous metashington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.4 degrees C, with a maximum daily temperature of 20.4 degrees C from continuous metashington Department of 20.4 degrees C from	easurements 3 December easurements 3 December easurements 3 December 6 December	s collecte 2002) sh s collecte 2002) sh s collecte 2002) sh	d in 199 ow a 7- d in 200 ow a 7- d in 200 ow a 7-	99 at noday moday	ear the mouth of Jir ean of maximum da ear the mouth of Jir ean of maximum da ear the mouth of Jir ean of maximum da	n Creek ily temperature n Creek ily temperature n Creek ily temperature n Creek		
32	23782	5	N	TOUCHET RIVER, S.F.	MS30PY	23.114	07N	39E	06	Temperature	•	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous mea Green Fk. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Memberature of 18 degrees C, with a maximum daily temperature of 19 degrees C from continuous means of 18 degrees C, with a maximum daily temperature of 19 degrees C from continuous means of 19 degrees C from continuous mean	asurements of Mendel on 3	collected Decembe	in 2001 er 2002)	at Be show	low confluence of Boat a 7-day mean of ma	urnt Fk and aximum daily		
32	23783	5	N	TOUCHET RIVER, S.F.	MS30PY	0	10N	39E	32	Temperature	•	Water
				Swanson, T., (2003), station 32SFT-00.0 shows 2 samples exceeded the criterion in year 20	002.							
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2002 at Gephart Rd.								
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.4 degrees C from continuous measurements collected in 2001 at Gephart Rd.								
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.1 degrees C from continuous measurements collected in 2000 at Gephart Rd.								
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 27.1 degrees C from continuous measurements collected in 1999 at Gephart Rd.								
32	8806	5	Υ	WALLA WALLA RIVER	QE90PI	4.081	07N	31E	25	4,4'-DDE		Tissue
				Davis et al, 1995. Excursions beyond the criterion in edible carp tissue near the mouth in 19	93.							
32	14178	5	N	WALLA WALLA RIVER	QE90PI	21.034	-	-		4,4'-DDE		Tissue
				Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multip collected in 1984.	וופוו טוון אני	iosile di 6	aible II	ssue C	n mountain suckers	ашреъ		
32	41957	5	N	WALLA WALLA RIVER	QE90PI	10.671	07N	32E	21	Ammonia-N		Water
				Swanson, T., (2004), station 32WAL-09.3 shows a total of 4 samples in years 2002 and 2003 exceeded the chronic criterion.								

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks	
32	8804	5	Y	WALLA WALLA RIVER Davis et al., 1995., excursions beyond the criterion in edible carp tissue sampled near the	QE90PI mouth in 19	4.081 93.	07N	31E	25	Chlordane	Tissue	
32	40970	5	N	WALLA WALLA RIVER Davis et al, 1995. Excursions beyond the criterion in edible carp tissue near mouth in 1993.	QE90PI	4.081	07N	31E	25	DDT	Tissue The parameter, "DDT" represents total DDT.	
32	8805	5	Y	WALLA WALLA RIVER Davis et al., 1995., excursions beyond the criterion in edible carp tissue near the mouth in	QE90PI 1993.	4.081	07N	31E	25	Dieldrin	Tissue	
32	11113	5	N	WALLA WALLA RIVER Hallock (2003), Dept. of Ecology ambient station 32A070 shows a total of 2 samples in year Swanson, T. (2003), station 32WAL-15.6 shows that no samples exceeded the criterion in year Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (WALLA WALLA RIVE samples collected between 1993 - 2001 measured on these dates: 00/07/12, 00/09/13, 97/0	Dissolved o	Elevated from Cat 2 to Cat 5 after consolidation of duplic on 12/14/04kk	ates					
32	41374	5	N	WALLA WALLA RIVER Swanson, T., (2003), station 32WAL-38.7 shows 1 sample exceeded the criterion in year 20	QE90PI 03 and 1 sa	62.034 ample exc		35E the crite		Dissolved o	oxygen Water	

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WRIA	Listing ID Cat	tegory	98 List?	rbody Name Location Information				Parameter Medium Remarks		
32	16789	5	Y	WALLA WALLA RIVER Hallock (2004), Dept. of Ecology ambient station 32A070 shows 1 of 12 samples (8.3%) in y		21.034 07N		Fecal Colifo	rm Water Changed from Category 2 to Category 5 due to consolidation	
				Swanson, T (2004), station 32WAL-15.6 shows that 2 of 8 samples (25%) collected in 2003	•	·			with Listing IDs 42636 and 41663 on 01/10/05kk	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near Toand that 11% of the samples exceeds the percentile criterion from 9 samples collected during	ouchet) shows	s a geometric	mean of 98 does not exce		This waterbody segment was listed on the 1998 303(d) list based on an inadequate assessment of the annual ambient monitoring data. In 9 years of data collection, only 1 year (1996) exceeded the criteria for listing. Criteria for showing	
met				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To	ouchet) shows	s a geometric	mean of 64 does not exce	ed the criterion	` '	
				and that 0% of the samples does not exceed the percentile criterion from 13 samples collect	ted during 200	0.			in the past 5 years of data collections. Listing will be placed on the waters of concern list until further monitoring verifies	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 0% of the samples does not exceed the percentile criterion from 13 samples collect	ed the criterion					
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 6% of the samples does not exceed the percentile criterion from 16 samples collect	,	•	mean of 82 does not exce	ed the criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 7% of the samples does not exceed the percentile criterion from 15 samples collect	,	•	mean of 72 does not exce	ed the criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996,					at	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 0% of the samples does not exceed the percentile criterion from 7 samples collected	,	•	mean of 73 does not exce	ed the criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 0% of the samples does not exceed the percentile criterion from 11 samples collect	,	•	mean of 54 does not exce	ed the criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (Walla Walla R. near To and that 0% of the samples does not exceed the percentile criterion from 9 samples collected.			mean of 48 does not exce	ed the criterion		
32	41666	5	N	WALLA WALLA RIVER Swanson, T., (2004), station 32WAL-32.8 shows the geometric mean of 119.0 exceeds the percentile criterion.		52.902 07N of 5 samples		Fecal Colifo	rm Water	
32	41668	5	N	WALLA WALLA RIVER Swanson, T., (2004), station 32WAL-35.2 shows that 2 of 3 samples (66.7%) collected in 20		56.159 06N e percentile cr		Fecal Colifo	rm Water	
32	41713	5	N	WALLA WALLA RIVER	QE90PI 3	31.84 06N	33E 03	Fecal Colifo	rm Water	

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Swanson, T., (2004), station 32WAL-22.7 shows that 3 of 7 samples (42.9%) collected in 2002 exceed the percentile criterion.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	formation	า			Parameter	Remarks	Medium
32	8808	5	Y	WALLA WALLA RIVER Davis et al. 1995. excursions beyond the criterion in edible carp tissue near the mouth in 199	QE90PI 93.	4.081	07N	31E	25	Heptachlor e	poxide	Tissue
32	8809	5	Y	WALLA WALLA RIVER Davis et al, 1995., excursions beyond the criterion in edible carp tissue collected near the n	QE90PI nouth in 199	2.371 3.	07N	31E	26	Hexachlorob	enzene	Tissue
32	41191	5	N	WALLA WALLA RIVER Fischnaller, S., (2003), station Walla02 shows that 0 of 1 sample exceed the criterion. Swanson, T., (2003), station 32WAL-09.3 shows that 7 of 26 samples exceed the criterion.	QE90PI	10.671	07N	32E	21	рН		Water
32	6589	5	Y	WALLA WALLA RIVER Swanson, T., (2003), station 32WAL-15.6 shows 9 samples exceeded the criterion in years 2	QE90PI 2002 and 20	21.034 03.	07N	32E	35	Temperature	The "on 98 List?" fla	Water ag was changed from N to Y on 12/21/04. Inment and 1998 List shows the listing to
be				Dept. of Ecology unpublished data from core ambient monitoring station 32A070 (Walla Wall 27.6 for mid-week 13 August 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 32A070 (WALLA WALLA RIVER 56 samples collected between 1993 - 2001.		ŕ			·		present on the 199	98 List.
32	23784	5	N	WALLA WALLA RIVER Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.9 degrees C, with a maximum daily temperature of 26.9 degrees C from continuous measurement of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 25.7 degrees C from continuous measurements & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7 maximum daily temperature of 25.1 degrees C from continuous measurements collected in 2 unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of memperature of 26 degrees C from continuous measurements collected in 2002 at Swegel Ro	easurements 2002) show nents collect 7-day mean 2001 at Swe naximum da	s collecte a 7-day need in 200 of maxim gel Rd. B	ow a 7- d in 199 nean of 00 at Sv um dail rg. Was	99 at S maxin vegel F ly temp shingto	ean of maximum dai swegel Rd. Brg. Was num daily temperatu Rd. Brg. Washington perature of 24.4 degron Department of Fis	hington re of 24.8 Department of rees C, with a sh & Wildlife		Water
32	23785	5	N	WALLA WALLA RIVER Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 28 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous mea Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 24.6 degrees C, with a maximum daily temperature of 26 degrees C from continuous mea Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 28.3 degrees C, with a maximum daily temperature of 29.7 degrees C from continuous means.	asurements December surements of December	collected 2002) she collected 2002) she	now a 7 in 2000 ow a 7- in 2001 ow a 7-	-day m D at Ab day m at Abo day m	nean of maximum da pove McDonald Rd. E ean of maximum dai ove McDonald Rd. B ean of maximum dai	Brg. ly temperature rg. ly temperature		Water

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Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 23.6 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous measurements collected in 2001 at Just above mouth Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a 7-day mean of maximum daily temperature of 21.8

degrees C, with a maximum daily temperature of 23 degrees C from continuous measurements collected in 2002 just above mouth.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis						Remarks	
32	23794	5	N	WOLF CREEK (FORK)	XM92BG	7.401	09N	39E	36	Temperature	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 16.9 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous model washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 17.3 degrees C, with a maximum daily temperature of 17.7 degrees C from continuous model washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 17 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous measurement of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous model of 17.6 degrees C from conti	leasurement December Leasurement December Lessurements Surements December	s collecte 2002) sh s collecte 2002) sh collected 2002) sh	d in 199 ow a 7- d in 200 ow a 7- in 2001 ow a 7-	99 at 2 day m 00 at 2 day m at 2nd	and Brg up Wolf For tean of maximum da and Brg up Wolf For tean of maximum da d Brg up Wolf Fork tean of maximum da	k Rd. aily temperature k Rd. aily temperature Rd. aily temperature	
32	41649	5	N	YELLOWHAWK CREEK	RK92TG	5.81	06N	36E	37	Fecal Coliform	Water
				Swanson, T., (2004), station 32YEL-00.2 shows the geometric mean of 169.7 exceeds the opercentile criterion.	criterion and	2 of 8 sa	mples (25%) (collected in 2002 ex	ceed the	
				Swanson, T., (2004), station 32YEL-00.2 shows the geometric mean of 172.6 exceeds the opercentile criterion.	criterion and	5 of 8 sa	mples (62.5%) collected in 2003 (exceed the	
32	23797	5	N	YELLOWHAWK CREEK	RK92TG	12.525	07N	36E	23	Temperature	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 26.9 degrees C, with a maximum daily temperature of 27.7 degrees C from continuous n Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 25.1 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 27.5 degrees C, with a maximum daily temperature of 29.3 degrees C from continuous m	neasuremen 3 December leasurement 3 December	ts collecte 2002) sh s collecte 2002) sh	ed in 20 ow a 7- d in 200 ow a 7-	00 at one of the other of the o	Just below Yellowha lean of maximum da lust below Yellowha lean of maximum da	awk Diversion aily temperature wk Diversion aily temperature	
32	23798	5	N	YELLOWHAWK CREEK	RK92TG	0	06N	35E	38	Temperature	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 23 degrees C, with a maximum daily temperature of 24.2 degrees C from continuous me Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 23.6 degrees C from continuous measurer Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 25.2 degrees C from continuous measurer	easurements 2002) show ments collec 2002) show	collected a 7-day r ted in 200 a 7-day r	in 2000 nean of 01 at 0.1 nean of	0 at 0. maxir 1 miles maxir	1 miles above mout mum daily temperates a above mouth Was mum daily temperate	h Washington ure of 23.1 hington	
33	8753	5	N	SNAKE RIVER	YB86JO	14.472	09N	31E	24	4,4'-DDE	Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish durin	g 1994.						
33	8754	5	N	SNAKE RIVER	YB86JO	14.472	09N	31E	24	Chlordane	Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish durin	g 1994.						

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WRIA	Listing ID Categor	y 98 List?	Waterbody Name Basis	Location In	formation	1			Parameter Remarks	Medium
33	8752 5	N	SNAKE RIVER Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of catfish during to	YB86JO 1994.	14.472	09N	31E	24	Dieldrin	Tissue
33	16885 5	N	SNAKE RIVER U.S. Army Corps of Engineers unpublished data at station Ice Harbor 18 show excursions bey 1995, 1996 &1997.	YB86JO yond the cri	24.792 terion fro				Dissolved oxygen ted in 1994,	Water
33	16894 5	N		YB86JO	129.27 3				Dissolved oxygen	Water
			U.S. Army Corps of Engineers unpublished data at station Little Goose 83 show excursions be 1995, 1996 &1997.	eyond the d	riterion f	rom Hy	drolab	measurements colle	icted in 1994,	
33	6302 5	N	SNAKE RIVER U.S. Army Corp of Engineers (2001) station LMNW (Lower Monumental Tailwater) shows 48 of	YB86JO	63.254		-		Temperature	Water
			U.S. Army Corps of Engineers unpublished data at station Lower Monumental 40 show excurs 1997.	•	Ü				ats collected in	
33	6303 5	Y	SNAKE RIVER U.S. Army Corp of Engineers (2001) station LMN (Lower Monumental Forebay) shows 57 day	YB86JO /s exceedin	65.729 g the crit				Temperature	Water
33	6304 5	Υ	SNAKE RIVER U.S. Army Corp of Engineers (2001) station IHR (Ice Harbor Forebay) shows 61 days exceeding the state of the s	YB86JO ing the crite			31E	24	Temperature TRS was 09N-32E-	Water 19 on 1998 listkk
33	6305 5	N	SNAKE RIVER U.S. Army Corp of Engineers (2001) station IDSW (Ice Harbor Tailwater) shows 58 days exce		7.934 criterion in		31E	29	Temperature	Water
33	8096 5	Y	SNAKE RIVER 4 excursions beyond the criterion at USGS station 13353200 (at Burbank) during 1990, 1991,		1.364 1994.	08N	30E	02	Temperature	Water
33	11123 5	N	SNAKE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 33A050 (SNAKE RIVER NEAR P collected between 1993 - 2001 measured on these dates: 00/08/09, 94/08/08, 95/07/10, 95/08	PASCO) sh		cursior		and the criterion out	Temperature of 60 samples	Water
33	16887 5	N		YB86JO	24.792	09N	32E	02	Temperature ted in 1994,	Water

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location	n Info	ormati	on				Parameter		Medium
				Basis									Remarks	
33	16896	5	N	SNAKE RIVER	YB86J		129.27 3	131	N 40	Œ	08	Temperature		Water
				U.S. Army Corps of Engineers unpublished data at station Little Goose 83 show excursions be 1996 & 1997.	ns beyond t	he cr	riterion	from I	Hydrol	lab r	neasurements colle	cted in 1994,		
33	8755	5	N	SNAKE RIVER	YB86J	0	14.472	2 091	N 31	E	24	Total PCBs		Tissue
				Davis and Serdar, 1996, excursions beyond the criterion in edible fish tissue of catfish during	ring 1994.									
33	6366	5	N	SNAKE RIVER	YB86J	0	09N	31E	24			Total Phospl	norus	Water
				Completed Phase I Federal Clean Lakes Restoration Project in 1976- Problems Encountered macrophytes, sediment phosphorus recycling, storm water, low transparency, fecal coliform by			n algae	e, high	turbid	dity, I	ow dissolved oxyge	en, aquatic	Changed from WRI	A 25 to 33. 12/03/04 -kk
During				macrophytes, sediment phosphorus recycling, storm water, low transparency, recar comorni t	III Dactella								Completed Phase II	Federal Clean Lakes Restoration
Project													based on the Phase dilution/flushing, div	. 1987.Control measures implemented e I Study - sediment removal/dredging, rersion, structural storm water controls, harvesting, public education.
34	40643	5	N	COW CREEK	OW462	ΚΤ	72.664	201	N 37	Æ	12	Dissolved ox	ygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	3) at the sta	ation	called	'Sprag	gue Ou	utlet'	show excursions b	eyond the		
34	40644	5	N	COW CREEK	OW462	ΧТ	18.953	161	N 37	Æ	09	Dissolved ox	ygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	3) at the sta	ation	called	'Clines	smith I	Brido	ge' show excursions	s beyond the		
34	40645	5	N	COW CREEK	OW462	XT :	58.253	191	N 37	Æ	16	Dissolved ox	xygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	3) at the sta	ation	called	'Cow /	/ Halle	en' sh	now excursions bey	ond the		
34	40646	5	N	COW CREEK	OW462	XT .	48.564	191	N 36	ŝΕ	35	Dissolved ox	xygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	3) at the sta	ation	called	'Fenne	el Lak	e' sh	ow excursions bey	ond the		
34	40647	5	N	COW CREEK	OW462	ΚΤ	0.904	151	N 37	Æ	26	Dissolved ox	xygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	3) at the sta	ation	called	'Ноор	er Cov	w' sh	now excursions bey	ond the		

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name	Location Ir	nformatio	n			Parameter		Medium
				Basis							Remarks	
34	40648	5	N	COW CREEK	OW46XT	27.727	17N	36E	13	Dissolved o	xygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called 'I	Benge/I	Ralstor	n' show excursions b	peyond the		
34	40649	5	N	COW CREEK	OW46XT	41.48	18N	36E	14	Dissolved o	xygen	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called 'I	Harder	Bridge	show excursions be	eyond the		
34	40662	5	N	COW CREEK	OW46XT	41.48	18N	36E	14	Fecal Colifo	orm	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) cfu/100mL from 6 samples collected in 2003	at the station	n called 'I	Harder	Bridge	show a geometric r	mean of 142		
34	40634	5	N	COW CREEK	OW46XT	72.664	20N	37E	12	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called '	Sprague	e Outle	t' show excursions b	beyond the		
34	40635	5	N	COW CREEK	OW46XT	18.953	16N	37E	09	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called '(Clinesm	nith Bri	dge' show excursion	ns beyond the		
34	40636	5	N	COW CREEK	OW46XT	58.253	19N	37E	16	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called '(Cow / H	lallen'	show excursions be	yond the		
34	40637	5	N	COW CREEK	OW46XT	48.564	19N	36E	35	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called 'I	ennel	Lake' s	show excursions bey	ond the		
34	40638	5	N	COW CREEK	OW46XT	0.904	15N	37E	26	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called 'I	Hooper	Cow's	show excursions bey	ond the		
34	40639	5	N	COW CREEK	OW46XT	27.727	17N	36E	13	Temperatur	e	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) criterion in 1997-2002.	at the station	n called 'l	Benge/I	Ralstor	n' show excursions b	peyond the		

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WRIA	Listing ID Cated	gory	98 List?	Waterbody Name	Location Ir	nformatio	n			Parameter		Medium
				Basis							Remarks	
34	40640	5	N	COW CREEK	OW46XT	41.48	18N	36E	14	Temperatur	re	Water
				Adams Conservation District unpublished data (submitted by Chad Atkins on 13 May 2003) a criterion in 1997-2002.	at the station	n called 'I	Harder	Bridge	' show excursions	beyond the		
34	6355	5	Υ	MEDICAL LAKE	492YVP	24N 4	11E -	19		Total Phos	ohorus	Water
impleme	anted			Completed Phase I Clean Lakes Restoration Project in 1977 - Problems Encountered: Blue-transparency.	green algae	, hypolim	netic a	inoxia,	sediment phospho	rus recycling, lo		II Clean Lakes Restoration Project et al. 1980.Control measures
impieme	anteu										based on the Phas Phosphorus precip	e I Study - hypolimnetic aeration, itation/inactivation.
34	6713	5	Υ	MISSOURI FLAT CREEK	YU73RJ	0.002	14N	45E	05	Fecal Colife	orm	Water
				Joy, 1987, 2 excursions beyond the upper criterion at the mouth on 9/16/87 and 9/17/87.								ole in hardcopy format. The water s Category 5 based on the 1998
34	8819	5	Υ	PALOUSE RIVER	NX00WG	75.039	17N	40E	20	4,4'-DDE		Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible squawfish tissue at RM 4	40.8 in 1994	١.						
34	14190	5	N	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	4,4'-DDE		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	fish compo	site of ed	lible tis	sue of	Largenose sucker	and Northern		
34	14191	5	N	PALOUSE RIVER	NX00WG	29.009	15N	37E	26	ALPHA-BH	С	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	fish compo	site of ed	lible tis	sue of	Largenose sucker	and Northern		
34	8818	5	Υ	PALOUSE RIVER	NX00WG	75.039	17N	40E	20	Dieldrin		Tissue
				Davis and Serdar, 1996. excursions beyond the criterion in edible squawfish tissue at RM	40.8 in 1994	l.						
34	11133	5	Υ	PALOUSE RIVER	NX00WG	189.62	16N	46E	06	Dissolved o	oxygen	Water
				Hallock (2003), Dept. of Ecology ambient station 34A170 shows a total of 1 sample in year 2	003 exceed	led the cr	iterion					

Hallock (2003), Dept. of Ecology ambient station 34A170 shows a total of 1 sample in year 2003 exceeded the criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (PALOUSE RIVER AT PALOUSE) shows 10 excursions beyond the criterion out of 58 samples collected between 1993 - 2001 measured on these dates: 94/07/06, 94/08/02, 94/09/06, 95/06/05, 95/07/10, 95/08/07, 95/09/05, 96/07/08, 96/08/05, 96/09/03.

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6732 5 Υ PALOUSE RIVER 34 NX00WG 29.009 15N 37E 26 pН Water Hallock (2004), Dept. of Ecology ambient station 34A070 shows that 9 of 32 samples exceed the criterion. High pH

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (PALOUSE RIVER AT HOOPER) shows 22 excursions beyond the criterion out of 59 samples collected between 1993 - 2001.

U.S.Geological Survey data from NWIS database station 13351000 (at Hooper) shows 55 excursions beyond the criterion out of 250 samples collected between 1992 and 2001.

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WRIA	Listing ID Cate	gory !	98 List?	Waterbody Name Basis	Location Ir	nformation	n			Parameter	Medium Remarks
34	16922	5	N	PALOUSE RIVER U.S. Army Corps of Engineers unpublished data at station Palouse 6 show 6 excursions bey	NX00WG ond the crite			-		pH ected in 1997.	Water
34	42553	5	N	PALOUSE RIVER Hallock (2004), Dept. of Ecology ambient station 34A120 shows that 4 of 14 samples exceed	NX00WG	1	16N	43E	11	рН	Water
34	3723	5	Y	PALOUSE RIVER Dept. of Ecology unpublished data from core ambient monitoring station 34A170 (Palouse R for mid-week 13 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station beyond the criterion out of 54 samples collected between 1993 - 2001		2) shows	a 7-day	y mean	of daily maximum v		
34	8115	5	Y	PALOUSE RIVER 7 excursions beyond the criterion at USGS station 133460000 (near Colfax) during 1992, 19	NX00WG 93, 1994 an	4	17N	44E	31	Temperature	Correct USGS station number is 13346000. Location readjusted according to USGS station location information. Was previously listed as being on Palouse River, S.Fkk
34	11130	5	Y	PALOUSE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A070 (PALOUSE RIVER AT I samples collected between 1993 - 2001 measured on these dates: 00/07/11, 00/08/08, 93/08/03,		shows 10	excurs	sions b	eyond the criterion o		re Water
34	8820	5	Y	PALOUSE RIVER Davis and Serdar, 1996. excursions beyond the criterion in edible squawfish tissue at RM 40	NX00WG 0.8 in 1994.	75.039	17N	40E	20	Total PCBs	S Tissue
34	8105	5	Y	PALOUSE RIVER, S.F. 3 excursions beyond the criterion at USGS station 13346000 (near Colfax) in 1994 and 1995 2 excursions beyond the criterion at USGS station 13349200 (at Colfax) on 8/2/94 and 8/3/94		0.523	16N	43E	14	Dissolved ox	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

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be impaired. (Braley, ECY/WQP, 2003)

to

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformati	ion			Para	ameter	Remarks	Medium
DO to	8142	5	Y	PALOUSE RIVER, S.F. 3 excursions beyond the criterion at USGS station 13346990 (at Pullman) in 1992 and 1994. 1 excursion beyond the criterion at USGS station 13348000 (at Pullman) on 8/4/94.	ZX82FM	34.334	4 14N	45E	E 0 5	Dis		During the assessn Policy 1-11 (update number of years of impairments. Base statewide, it was d excursions for at le used as an alternat	Water nent of data it was determined that WQ and 9/03) was overly restrictive for the data excursions needed to list for D.O. d on a review of monitoring studies for etermined that multiple (3 or more) ast two years of monitoring should be ive indicator that a waterbody continues by, ECY/WQP, 2003)
34	11137	5	N	PALOUSE RIVER, S.F. Hallock (2003), Dept. of Ecology ambient station 34B110 shows a total of 3 samples in year Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (SF PALOUSE RIVER samples collected between 1993 - 2001 measured on these dates: 94/10/10, 95/06/05, 95/0	AT PULLMA	eded the	ows 9 ex	n. ccursic	ons bey	ond the criterion out		rygen	Water
34	6707	5	Y	PALOUSE RIVER, S.F. Joy, 1987, 1 excursion beyond the upper criterion at RM 21.2 on 9/16/87. Joy, 1987, 2 excursions beyond the upper criterion at RM 20.9 and 20.6 on 9/16/87 and 9/17 Pelletier, 1993. station SF3 (S.F. PALOUSE SAMPLING SITE #3) shows a geometric mean 5 samples collected during 1991. Pelletier, 1993. station SF2 (S.F. PALOUSE SAMPLING SITE #2) shows a geometric mean 6 samples collected during 1991.	of 934 cfu/1	100mL ·)% ex	ceeding	g the percentile criter	rion out of	Data is only availab	Water ble in hardcopy format. The water category 5 based on the 1998
34	6708	5	Y	PALOUSE RIVER, S.F. Joy, 1987, 2 excursions beyond the upper criterion at RM 18.7 on 9/16/87 and 9/17/87. Pelletier, 1993. station SF5 (S.F. PALOUSE SAMPLING SITE #5) shows a geometric mean samples collected during 1991.	ZX82FM of 117 cfu/1		6 15N with 809					Data is only availab segment is listed as	Water ble in hardcopy format. The water as Category 5 based on the 1998
34	6709	5	Y	PALOUSE RIVER, S.F. Joy, 1987, 2 excursions beyond the upper criterion at RM 19.5 on 9/16/87 and 9/17/87.	ZX82FM	29.51	5 15N	44E	E 25	Fed	cal Colifor	Data is only availab	Water ble in hardcopy format. The water as Category 5 based on the 1998

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WRIA	Listing ID C	ategon	/ 08 Liet?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
VVIXIA	Listing ID Co	alegor	7 30 LIST:	Basis	Location	illoilliatioi	''			Tarameter	Remarks	Mediam
34	6710	5	Υ	PALOUSE RIVER, S.F.	ZX82FM	33.484	14N	45E	06	Fecal Colifo	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 34B110 shows a geometric mean of 150.2 exceeded the criterion in year 2003; 7 of 12 samples (58.3%) in year 2002 exceeded the period of			n in ye	ear 200	2 and a geometric i	mean of 140.3		able in hardcopy format. The water as Category 5 based on the 1998
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pt 38% of the samples exceeds the percentile criterion from 8 samples collected during 2001.		s a geome	etric m	ean of	114 exceeds the cr	iterion and that	assessment.	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu and that 33% of the samples exceeds the percentile criterion from 12 samples collected du		s a geome	etric m	ean of	91 does not exceed	d the criterion		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pt 58% of the samples exceeds the percentile criterion from 12 samples collected during 1999)		s a geome	etric m	ean of	253 exceeds the cr	iterion and that		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu 42% of the samples exceeds the percentile criterion from 12 samples collected during 1998	,	s a geome	etric m	ean of	224 exceeds the cr	iterion and that		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu 45% of the samples exceeds the percentile criterion from 11 samples collected during 1997	,	s a geome	etric m	ean of	183 exceeds the cr	iterion and that		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu 100% of the samples exceeds the percentile criterion from 6 samples collected during 1996		s a geome	etric m	ean of	516 exceeds the cr	iterion and that		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu 73% of the samples exceeds the percentile criterion from 11 samples collected during 1998)		s a geome	etric m	ean of	565 exceeds the cr	iterion and that		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (Palouse R. S.F. at Pu 67% of the samples exceeds the percentile criterion from 3 samples collected during 1994.		s a geome	etric m	ean of	295 exceeds the cr	iterion and that		
				Joy, 1987, 2 excursions beyond the upper criterion at RM 21.4 on 9/16/87 and 9/17/87.								
34	6711	5	Υ	PALOUSE RIVER, S.F.	ZX82FM	34.334	14N	45E	05	Fecal Colifo	rm	Water
				Joy, 1987, 2 excursions beyond the upper criterion at RM 22.9, 22.5, and 22.4 on $9/16/87$	and 9/17/87.						•	able in hardcopy format. The water
				Pelletier, 1993. station MFC3 (MISSOURI FLAT CREEK SAMPLING SITE) shows a geometriterion out of 5 samples collected during 1991.	etric mean of	1011 cfu	ı/100m	L with	100% exceeding th	ne percentile	assessment.	as Category 5 based on the 1998
34	6712	5	Υ	PALOUSE RIVER, S.F.	ZX82FM	36.577	14N	45E	08	Fecal Colifo	rm	Water
	-			Joy, 1987, 2 excursions beyond the upper criterion at RM 23.5 on 9/16/87 and 9/17/87.								able in hardcopy format. The water
				Pelletier, 1993. station SF1 (S.F. PALOUSE SAMPLING SITE #1) shows a geometric mean samples collected during 1991.	n of 238 cfu/	100mL wi	ith 67%	6 excee	eding the percentile	criterion out of		as Category 5 based on the 1998
34	10448	5	Y	PALOUSE RIVER, S.F.	ZX82FM	30.942	15N	44E	36	Fecal Colifo	rm	Water

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Pelletier, 1993. station SF4 (S.F. PALOUSE SAMPLING SITE #4) shows a geometric mean of 501 cfu/100mL with 100% exceeding the percentile criterion out of 6 samples collected during 1991.

WRIA	Listing ID Categor	y 98 Lis	t? Waterbody Name	Location Information	Parameter Medium
			Basis		Remarks
34	10450 5	Υ	PALOUSE RIVER, S.F.	ZX82FM 22.237 15N 44E 15	Fecal Coliform Water
			Pelletier, 1993. station SF6 (S.F. PALOUSE SAMPLING SITE #6) shows samples collected during 1991.	a geometric mean of 125 cfu/100mL with 60% exceeding the perce	ntile criterion out of 5
			Pelletier, 1993. station SF7 (S.F. PALOUSE SAMPLING SITE #7) shows samples collected during 1991.	a geometric mean of 168 cfu/100mL with 60% exceeding the perce	ntile criterion out of 5
34	10452 5	Υ	PALOUSE RIVER, S.F.	ZX82FM 20.462 15N 44E 10	Fecal Coliform Water
			Pelletier, 1993. station SF8 (S.F. PALOUSE SAMPLING SITE #8) shows samples collected during 1991.	a geometric mean of 111 cfu/100mL with 60% exceeding the perce	ntile criterion out of 5
34	6729 5	Υ	PALOUSE RIVER, S.F.	ZX82FM 0.523 16N 43E 14	pH Water
			U.S.Geological Survey data from NWIS database station 13346000 (near 1992 and 1995.	Colfax) shows 21 excursions beyond the criterion out of 51 samples	collected between High pH
			U.S.Geological Survey data from NWIS database station 13349200 (at Co 1992 and 1995.	olfax) shows 33 excursions beyond the criterion out of 95 samples of	ollected between
34	3724 5	N	PALOUSE RIVER, S.F.	ZX82FM 33.484 14N 45E 06	Temperature Water
			Dept. of Ecology unpublished data from core ambient monitoring station 3 22.2 for mid-week 13 July 2001.	4B110 (Palouse R. S.F. at Pullman) shows a 7-day mean of daily m	aximum values of
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34B110 (SF F samples collected between 1993 - 2001.	PALOUSE RIVER AT PULLMAN) shows 3 excursions beyond the cr	iterion out of 40
34	8130 5	Υ	PALOUSE RIVER, S.F.	ZX82FM 2.815 16N 43E 13	Temperature Water
			14 excursions beyond the criterion at USGS station 13349200 (at Colfax)	between 1993, 1994 and 1995.	
34	8825 5	Υ	PARADISE CREEK	YO22BZ 9.581 14N 46E 05	Ammonia-N Water
			Pelletier, 1993. Excursions beyond the chronic criterion at RM 6.4 (Idaho	State Boundary) during 7/25/91 and 10/1/91.	
34	8826 5	Υ	PARADISE CREEK	YO22BZ 5.619 14N 45E 01	Ammonia-N Water
			Pelletier, 1993, excursions beyond the chronic criterion at RM 3.4 during	7/24/91 and 7/25/91	
34	10439 5	Υ	PARADISE CREEK	YO22BZ 0.399 14N 45E 04	Fecal Coliform Water
			Pelletier, 1993. station APC (AIRPORT CREEK SAMPLING SITE) shows	a geometric mean of 74 cfu/100mL with 60% exceeding the percen	tile criterion out of 5

samples collected during 1991.

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WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Ir	nformatio	n			Parameter		Medium
				Basis							Remarks	
34	10441	5	Υ	PARADISE CREEK	YO22BZ	9.581	14N	46E	05	Fecal Colifo	rm	Water
				Pelletier, 1993. station PC1 (PARADISE CREEK SAMPLING SITE #1) shows a geometric n of 5 samples collected during 1991.	nean of 196	cfu/100n	nL wit	h 80%	exceeding the perce	entile criterion o	ut	
34	10442	5	Υ	PARADISE CREEK	YO22BZ	5.619	14N	45E	01	Fecal Colifo	rm	Water
				Pelletier, 1993. station PC2 (PARADISE CREEK SAMPLING SITE #2) shows a geometric nout of 5 samples collected during 1991.	nean of 482	cfu/100m	nL with	100%	exceeding the perc	centile criterion		
34	10443	5	Υ	PARADISE CREEK	YO22BZ	2.065	14N	45E	03	Fecal Colifo	rm	Water
				Pelletier, 1993. station PC3 (PARADISE CREEK SAMPLING SITE #3) shows a geometric nout of 5 samples collected during 1991.	nean of 549	cfu/100m	nL with	100%	exceeding the perc	centile criterion		
34	10444	5	Υ	PARADISE CREEK	YO22BZ	0	14N	45E	05	Fecal Colifo	rm	Water
				Pelletier, 1993. station PC4 (PARADISE CREEK SAMPLING SITE #4) shows a geometric n of 5 samples collected during 1991.	nean of 406	cfu/100n	nL wit	h 80%	exceeding the perc	entile criterion o	ut	
34	42792	5	N	PLEASENT VALLEY CREEK	ZU38EN	1.867	19N	41E	34	Fecal Colifo	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 34H070 shows 2 of 9 samples (22.2%) in y	ear 2002 e	ceeded t	he per	centile	criterion.			
34	42803	5	N	PLEASENT VALLEY CREEK	ZU38EN	1.867	19N	41E	34	рН		Water
				Hallock (2004), Dept. of Ecology ambient station 34H070 shows that 4 of 12 samples excee	d the criterio	on.						
34	8150	5	Υ	REBEL FLAT CREEK	MT96QP	0	17N	40E	29	Dissolved o	xygen	Water
				3 excursions beyond the criterion at USGS station 13349320 (at Winona) in 1993 and 1994.							TRS was 117N-40	E-29 on 1998 listkk
DO											Policy 1-11 (update number of years of	ment of data it was determined that WQ ed 9/03) was overly restrictive for the data excursions needed to list for D.O. ed on a review of monitoring studies for
БО											excursions for at le	letermined that multiple (3 or more) least two years of monitoring should be tive indicator that a waterbody continues
to												ey, ECY/WQP, 2003)
34	6714	5	Υ	REBEL FLAT CREEK	MT96QP	6.707	17N	40E	25	Fecal Colifo	rm	Water
		_		Willms and Kendra, 1990, excursions beyond the criterion at RM 5.4 on 10/11/88 and 10/12							Data is only availal	ole in hardcopy format. The water s Category 5 based on the 1998

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				Basis								Remarks	
0.4	0745	_		DEDEL ELAT ODEEK									
34	6715	5	Y		MT96QP	9.686	17N	I 41E	31		Fecal Colifor		Water
				Willms and Kendra, 1990, excursions beyond the criterion at RM 5.9 on 10/11/88 and 10/12/8 Willms and Kendra, 1990, excursions beyond the criterion at RM 6.0 on 10/11/88 and 10/12/8 Willms and Kendra, 1990, excursions beyond the criterion at RM 6.									ole in hardcopy format. The water s Category 5 based on the 1998
34	6716	5	Υ	REBEL FLAT CREEK	MT96QP	12.795	170	I 41E	33		Fecal Colifor	m	Water
				Willms and Kendra, 1990, excursions beyond the criterion at RM 7.7 on 10/11/88 and 10/12/8	38.								ole in hardcopy format. The water s Category 5 based on the 1998
34	42431	5	N	SILVER LAKE	492YVP	24N	41E	19			2,3,7,8-TCDE)	Tissue
		·		Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Brown trout fillet sa				-			_,0,1,0 1022		
34	42412	5	N	SILVER LAKE	492YVP	24N	41E	19			Total PCBs		Tissue
				Seiders, 2004. shows fillet samples of Brown trout collected in 2003 exceeded the National T	oxics Rule	criterion	for To	ital PCE	ß.				
34	42405	5	N	SPRAGUE LAKE	788YYQ	47118	C0F6	47.2	55	118.065	2,3,7,8-TCDE)	Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout, Wall 10/23/2003.	leye, and C	Channel	Catfish	fillet sa	amples	s collected 10/22			
34	42386	5	N	SPRAGUE LAKE	788YYQ	47118	C0F6	47.2	55	118.065	Total PCBs		Tissue
				Seiders, 2004. shows fillet samples of Channel Catfish collected in 2003 exceeded the Nation									
35	18841	5	N		OI59CE	3.586					Temperature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 31.7 degrees C, with a maximum daily temperature of 34.4 degrees C from continuous me									
35	18842	5	N	ALKALI FLAT CREEK	OI59CE	11.29	141	I 38E	34		Temperature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.4 degrees C, with a maximum daily temperature of 24.6 degrees C from continuous me	December asurement	2002) s s collect	how a ed in 2	7-day n :002 at	nean o	of maximum dail n of Rock Spring	y temperature g Gulch		
35	18843	5	N	ALKALI FLAT CREEK	OI59CE	21.534	14N	I 39E	21		Temperature		Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.8 degrees C from continuous me									

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35	20357 5	5	N	ALMOTA CREEK	SA33EC					Temperature	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 19.2 degrees C, with a maximum daily temperature of 20.7 degrees C from continuous m 8.0)							
35	20358 5	5	N	ALMOTA CREEK	SA33EC	2.62	14N	43E	17	Temperature	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous mea Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.6 degrees C, with a maximum daily temperature of 24 degrees C from continuous mea	asurements 3 December	collected 2002) sl	in 2002 now a 7	2 at ~0. -day m	1 miles above lower ean of maximum da	st culvert ily temperature	
35	40556 5	5	N	ALPOWA CREEK	EU09ED	3.126	11N	44E	25	Fecal Coliform	Water
				Washington State University (2001) show excursions beyond the geometric mean criterion							
35	40557 5	5	N	ALPOWA CREEK	EU09ED	11.279	11N	44E	17	Fecal Coliform	Water
				Washington State University (2001) show excursions beyond the geometric mean criterion	in 1999 and	2000 at	station	ALP 2	(SR 12 at Flerchinge	er's).	
35	40558 5	5	N	ALPOWA CREEK	EU09ED	17.329	11N	43E	26	Fecal Coliform	Water
				Washington State University (2001) show excursions beyond the geometric mean criterion	in 1999 and	2000 at	station	ALP 3	(SR 12 at Landkamı	mer's).	
35	16795 5	5	Υ	ASOTIN CREEK	KP78KL	0	10N	46E	16	Fecal Coliform	Water
				Hallock (2004), Dept. of Ecology ambient station 35D070 shows 1 of 9 samples (11.1%) in y	ear 2002 ex	ceeded	the per	entile (criterion.	TRS	was 10N-26E-20 on 1998 listkk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin that 0% of the samples does not exceed the percentile criterion from 9 samples collected du		eometric	mean o	of 26 do	oes not exceed the o	criterion and	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin that 0% of the samples does not exceed the percentile criterion from 3 samples collected du	ı) shows a g ıring 1996.	eometric	mean o	of 20 do	oes not exceed the o	criterion and	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Creek at Asotin of the samples exceeds the percentile criterion from 9 samples collected during 1993.	ı) shows a g	eometric	mean o	of 149 e	exceeds the criterior	n and that 33%	
35	13851 5	5	N	ASOTIN CREEK	KP78KL	0	10N	46E	16	Temperature	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarne values of 24.5 for the week ending 13 July 2001 at the station called ' Mainstem Asotin - City		ember 20	002) sho	ws a 7	-day mean of daily	maximum	

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Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35D070 (Asotin Cr @ Asotin) shows 1 excursions beyond the criterion out of 21 samples collected between 1993 - 2001 measured on these dates: 97/08/04,

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				Basis							Remarks	
35	13852 5	N		ASOTIN CREEK	KP78KL	4.593	10N	45E	24	Temperature	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 24.1 for the week ending 4 August 2000 at the station called 'Mainstern Asotin About 1997 (1997).			02) sho	ws a 7	7-day mean of daily r	maximum		
35	13854 5	N		ASOTIN CREEK	KP78KL	12.35	10N	45E	20	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 23.6 for the week ending 4 August 2000 at the station called 'Mainstern Asotin - He			02) sho	ws a 7	7-day mean of daily r	maximum		
35	13860 5	N		ASOTIN CREEK	KP78KL	20.883	09N	44E	03	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 21.7 for the week ending 4 August 2000 at the station called 'Mainstem Asotin Below			02) sho	ws a 7	7-day mean of daily r	maximum		
35	13863 5	N		ASOTIN CREEK	KP78KL	23.006	09N	44E	10	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 20.6 for the week ending 14 July 2001 at the station called ' NF/SF Confluence Brid		ember 20	02) sho	ws a 7	7-day mean of daily r	maximum		
35	13985 5	N		ASOTIN CREEK, N.F.	NP96OC	7.791	09N	43E	25	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 18.3 for the week ending 18 July 2002 at the station called 'NF Asotin - End of Roa		ember 20	02) sho	ws a 7	7-day mean of daily r	maximum		
35	13986 5	N		ASOTIN CREEK, N.F.	NP96OC	14.232	08N	43E	04	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 17.3 for the week ending 6 August 2000 at the station called 'NF Asotin Creek - FS			02) sho	ws a 7	7-day mean of daily r	maximum		
35	22425 5	N		ASOTIN CREEK, N.F.	NP96OC	0.97	09N	44E	16	Temperatur	e	Water
				Umatilla National Forest unpublished data from station NFAS@LCK (NF Asotin Cr @ Lick Cr 19.4 degrees C and a maximum daily value of 20 degress C from measurements collected in Asotin Cr @ Lick Cr (NP96OC) show a maximum 7-day mean of maximum daily tempertures from measurements collected in 2002.	í 2001. Um	atilla Nat	ionaĺ F	orest u	npublished datá fron	n station NF		
35	13858 5	N		ASOTIN CREEK, S.F.	SS80KO	0	09N	44E	10	Temperatur	e	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 22.5 for the week ending 6 August 2000 at the station called 'SF Asotin Creek Mou		ember 20	02) sho	ws a 7	7-day mean of daily r	maximum		
35	22426 5	N		ASOTIN CREEK, S.F.	SS80KO	13.09	08N	44E	18	Temperatur	e	Water
				Umatilla National Forest unpublished data from station SFASO@FB (SF Asotin Cr @ FS Bdytempertures of 16.1 degrees C and a maximum daily value of 16.1 degrees C from measurer				aximun	n 7-day mean of max	kimum daily		

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35	13862	5	N	CHARLEY CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarne values of 21.6 for the week ending 3 August 2000 at the station called ' Charley Creek Culve			09N 02) sho			Temperature of daily maximum	Water
35	22427	5	N	CHARLEY CREEK Umatilla National Forest unpublished data from station CHARLEY_ (Charley Cr - along 4206 14.4 degrees C and a maximum daily value of 15 degrees C from measurements collected Charley Cr - along 4206 Rd (RX42NZ) show a maximum 7-day mean of maximum daily tem C from measurements collected in 2002. Umatilla National Forest unpublished data from station Charley Cr - along Rd 4206.060 (RX of degrees C and a maximum daily value of 17.2 degrees C from measurements collected in 2002.	in 2001. Un opertures of (42NZ) show	natilla Nat 15 degree	ım 7-day ional Fo es C and	y mea orest u d a ma	n of maximui npublished d aximum daily	lata from station value of 16.1 degress	Water
35	29318	5	N	COUSE CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.4 degrees C, with a maximum daily temperature of 22.1 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 temperature of 21.1 degrees C, with a maximum daily temperature of 23.4 degrees C from CRd. Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel temperature of 21.6 degrees C, with a maximum daily temperature of 22.2 degrees C from CRd.	leasurement 3 December continuous rel on 3 Dece	2002) sh ts collecte 2002) sh measurem mber 200	ed in 200 low a 7- nents co 2) show	day m 02 at A day m llected a 7-d	lean of maxin Above Snake lean of maxin d in 2001 at 0 ay mean of r	River Rd. Brg. num daily).1 mi above Snake R. naximum daily	Water
35	29320	5	N	COUSE CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.3 degrees C, with a maximum daily temperature of 22.6 degrees C from continuous m 5.7) Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel temperature of 23.3 degrees C, with a maximum daily temperature of 24.8 degrees C from Gulch (RM 5.7)	easurement on 3 Dece	2002) sh ts collecte mber 2003	ed in 200 2) show	day m 01 at 0 a 7-d	ean of maxir 0.5 mi above ay mean of n	Hoskins Gulch (RM naximum daily	Water
35	22432	5	N	CUMMINGS CREEK Umatilla National Forest unpublished data from station CUMMG@MT (Cummings Creek @ of 18.9 degrees C and a maximum daily value of 18.9 degress C from measurements collect Cummings Creek @ Mouth (BG41HE) show a maximum 7-day mean of maximum daily tendegress C from measurements collected in 2002.	ted in 2001.	ow a maxi . Umatilla	Nation	day m al Fore	ean of maxir	ned data from station	Water
35	40553	5	N	DEADMAN CREEK Washington State University (2001) show excursions beyond the geometric mean criterion	GN97JI in 1999 and	3.241 2000 at	13N station	-		Fecal Coliform	Water

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35	18827	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 24.3 degrees C, with a maximum daily temperature of 25.6 degrees C from continuous m			iow a 7		ean of maximum da		Water
35	18828	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.1 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous m Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.7 degrees C, with a maximum daily temperature of 21.8 degrees C from continuous m	easurement 3 December	s collecte 2002) sh	ow a 7 ed in 20 low a 7	-day m 02 at V -day m	ean of maximum da Vild Horse Hill Rd. B ean of maximum da	org. ily temperature	Water
35	18829	5	N	DEADMAN CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on of 24.5 degrees C, with a maximum daily temperature of 26.3 degrees C from continuous m			iow a 7	-day m	ean of maximum da	Temperature ily temperature	Water
35	40555	5	N	DEADMAN CREEK, N.F. Washington State University (2001) show excursions beyond the geometric mean criterion Deadman Creek).	XW61JA in 2000 and			42E ND (Up	_	Fecal Coliform ce with South	Water
35	40554	5	N	DEADMAN CREEK, S.F. Washington State University (2001) show excursions beyond the geometric mean criterion Creek).	IU77IQ in 2000 at s	1.215 station SE	-	42E ream o	_	Fecal Coliform wer Deadman	Water
35	40534	5	N	DEADMAN CREEK, S.F. Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and Creek).	IU77IQ d 2001 at st	1.215 ation SD	13N (Upstre		_	Temperature ver Deadman	Water
35	20352	5	N	GEORGE CREEK Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.9 degrees C, with a maximum daily temperature of 23.1 degrees C from continuous m Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December degrees C, with a maximum daily temperature of 18 degrees C from continuous measurement of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2002) show a maximum daily temperature of 18.8 degrees C from continuous measurements collected in	easurement 2002) show ents collecte a 7-day mea	s collecte a 7-day r d in 2001 an of max	ow a 7 ed in 20 mean o at Trei imum c	02 at T f maxir nt Grad laily tei	ean of maximum da rent Grade Culvert on num daily temperatude Culvert Washingto	Washington ure of 17.3 on Department	Water

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				Basis							Remarks	
35	22429	5	N	GEORGE CREEK	TC82JH	30.455	08N	44E	28	Temperatur	re	Water
				Umatilla National Forest unpublished data from station GEORG@FB (George Cr @ FS Bdy' degrees C and a maximum daily value of 17.8 degress C from measurements collected in 2 Cr @ FS Bdy (TC82JH) show a maximum 7-day mean of maximum daily tempertures of 17. measurements collected in 2002.	2001. Umat	illa Natior	nal Fore	est unp	ublished data from	station George		
35	29321	5	N	GEORGE CREEK	TC82JH	0.33	10N	45E	25	Temperatur	re	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.6 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous mender of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 25.9 degrees C from continuous measurem Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 22.3 degrees C from continuous measurement of Eish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C from continuous measurement of 22.3 degrees C from continuous measuremen	easurement 2002) show nents collec 2002) show	s collecte a 7-day r ted in 200 a 7-day r	ed in 20 mean o 01 at Be mean o	02 at E f maxir elow R f maxir	Below Rockpile Gu mum daily tempera ockpile Gulch Was mum daily tempera	ch Washington ture of 25.5 hington	9	
35	22430	5	N	LICK CREEK	OV73QV	8.878	09N	43E	15	Temperatur	re	Water
				Umatilla National Forest unpublished data from station LICK@FB_ (Lick Cr near FS Bdy) sh degrees C and a maximum daily value of 17.8 degrees C from measurements collected in 20		num 7-da	y mean	of ma	ximum daily tempe	rtures of 16.7		
35	20359	5	N	LITTLE ALMOTA CREEK	RL33QB	1.978	14N	42E	01	Temperatur	re	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.7 degrees C, with a maximum daily temperature of 28.4 degrees C from continuous medical Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 26.8 degrees C from continuous measurements.)	easurement 2002) show	s collecte a 7-day r	ed in 20 mean o	02 at A	Above lowest culve mum daily tempera	rt Washington	e	
35	20360	5	N	LITTLE ALMOTA CREEK	RL33QB	6.584	15N	43E	33	Temperatur	re	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.4 degrees C, with a maximum daily temperature of 22 degrees C from continuous mea Rd.	3 December asurements	2002) sh collected	iow a 7 in 200	-day m 1 at Be	ean of maximum of low Culvert on Ber	laily temperature nedict/Jenkins	e	
35	18830	5	N	MEADOW CREEK	FQ09UK	0	13N	40E	15	Temperatur	re	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 22.3 degrees C, with a maximum daily temperature of 23.5 degrees C from continuous me Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 21.6 degrees C, with a maximum daily temperature of 22.4 degrees C from continuous me	easurement 3 December	s collecte 2002) sh	ed in 20 low a 7	02 at <i>A</i> -day m	Above farmhouse E lean of maximum o	Brg. (RM 0.4) laily temperature		

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				Basis							Remarks	
35	18831 5	5	N	MEADOW CREEK	Q09UK	6.67	13N	40E	36	Temperature	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 De of 21.2 degrees C, with a maximum daily temperature of 21.5 degrees C from continuous measures of 21.5 degrees of 21.5 degrees C from continuous measures of 21.5 degrees								
35	22431 5	5	N	MENATCHEE CREEK s	J34XS	0	06N	43E	12	Temperature	е	Water
				Umatilla National Forest unpublished data from station WENATCMT (Menatchee Cr @ mouth) 18.3 degrees C and a maximum daily value of 18.9 degress C from measurements collected in Menatchee Cr @ mouth (SJ34XS) show a maximum 7-day mean of maximum daily temperture C from measurements collected in 2002.	2001. U	matilla Na	ational	Forest	unpublished data from	om station		
35	29317 5	5	N	MILL CREEK	A13WD	3.321	08N	46E	19	Temperature	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 Do of 20.4 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous measures of 20.4 degrees of 20.4 degrees C from continuous measures of 20.4 degrees								
35	10455 5	5	Υ	PATAHA CREEK B	T00LT	33.704	12N	41E	35	Fecal Colifo	rm	Water
samples				Cusimano, 1992. Samples collected at stations, RM 21.8 and RM 22.9 show that 2 of 5 sample	s (40%) e	exceeded	perce	ntile cri	terion in 1991.		Two samples collect	ted at station RM 21.8 and three
											collected at station F	RM 22.9 were assessed together
because											they occur in the sai	me waterbody segment.
35	16797 5	5	N	PATAHA CREEK B	T00LT	9.929	12N	39E	02	Fecal Colifo	rm	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) that 0% of the samples does not exceed the percentile criterion from 2 samples collected during Station 35F070 (Pataha Ck @ Archer Rd) shows a geometric mean of 128 exceeds the criterio from 8 samples collected during 1997.	g 1996.;	Hallock ((2001)	Dept. c	f Ecology Ambient I	Monitoring		
35	40548 5	5	N	PATAHA CREEK B	T00LT	0.619	12N	39E	19	Fecal Colifo	rm	Water
				Washington State University (2001) show excursions beyond the geometric mean criterion in 1	999 at st	ation PAT	Γ1 (SR	261 @	Delaney).			
35	40549 5	5	N	PATAHA CREEK Washington State University (2001) show excursions beyond the geometric mean criterion in 1	T00LT 1999 and	_		-		Fecal Colifo	rm	Water
35	40550 5	5	N	PATAHA CREEK B	T00LT	28.095	11N	41E	05	Fecal Colifo	rm	Water
	.3000	-		Washington State University (2001) show excursions beyond the geometric mean criterion in 1							•••	

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Remarks Rema	WRIA	Listing ID Category	/ 98 List?	Waterbody Name	Location I	nformatio	า			Parameter		Medium
Washington State University (2001) show excursions beyond the geometric mean criterion in 1999 and 2000 at station PAT 4 (Upstream of Sweeney Gulch confidence). 35				Basis							Remarks	
A 2532 S N PATAHA CREEK Hallock (2004), Dept. of Ecology ambient station 35F110 shows 2 of 9 samples (22.2%) in year 2002 exceeded the percentile criterion. Data collected by Umatilial National Forest (submitted by Jeff Blackwood on 10/29/97) show 1 high value from 4 samples collected at RM 40 on the same day) on 10/14/97. 35 11141 S N PATAHA CREEK BT00LT 9.929 12N 39E 02 pH Water Hallock (2004), Dept. of Ecology ambient station 35F070 shows that of 2 samples none exceed the criterion. High pH Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001. 35 13847 S N PATAHA CREEK BT00LT 0 12N 38E 24 Temperature Water Vashington Department of Fish and Wildlife unpublished data (submitted by Joe Burngamer or 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called Pataha Creek - Mouth: 35 22436 S N PATAHA CREEK Umatilia National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degrees C from measurements collected in 2000. Umatilia National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2000. Umatilia National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2000. Umatilia National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2000. Umatilia National Forest unpublished data from station PTHA@POM (Pa	35	40551 5	N	PATAHA CREEK	BT00LT	49.336	11N	43E	07	Fecal Colifo	rm	Water
Hallock (2004), Dept. of Ecology ambient station 35F110 shows 2 of 9 samples (22.2%) in year 2002 exceeded the percentile criterion. Data collected by Umatilia National Forest (submitted by Jeff Blackwood on 10/29/97) show 1 high value from 4 samples collected at RM 40 on the same day) on 10/14/97. 11141					n 1999 and	2000 at s	tation I	PAT 4	(Upstream of Sween	ey Gulch		
Data collected by Umatilla National Forest (submitted by Jeff Blackwood on 10/29/97) show 1 high value from 4 samples collected at RM 40 on the same day) 11141 5 N PATAHA CREEK BT00LT 9.929 12N 39E 02 pH High pH Water Hallock (2004), Dept. of Ecology Ambient station 35F070 shows that of 2 samples none exceed the criterion. High pH Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001. N PATAHA CREEK BT00LT 0 12N 38E 24 Temperature Water Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. N PATAHA CREEK BT00LT 73.427 09N 42E 02 Temperature Water Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degrees C from measurements collected in 2002. N PATAHA CREEK BT00LT 35.381 12N 41E 36 Temperature Water Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomercy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomercy) show a maximum 7-day mean of maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomercy) show a maximum 7-day mean of maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in POmercy) show a maximum 7-day mean of maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest u	35	42532 5	N	PATAHA CREEK	BT00LT	63.608	10N	42E	09	Fecal Colifo	rm	Water
11141 5 N PATAHA CREEK BTOOLT 9.929 12N 39E 02 pH High pH Hallock (2004), Dept. of Ecology Ambient Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001. 13847 5 N PATAHA CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgamer on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. 135 22436 5 N PATAHA CREEK BTOOLT 73.427 99N 42E 02 Temperature Water Umatilia National Forest unpublished data from station Pataha CR @ FS Bdy (BTOOLT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 136 40528 5 N PATAHA CREEK BTOOLT 35.381 12N 41E 36 Temperature Water Umatilia National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomercry) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. 136 40528 5 N PATAHA CREEK BTOOLT 36.99 12N 39E 19 Temperature Water Water				Hallock (2004), Dept. of Ecology ambient station 35F110 shows 2 of 9 samples (22.2%) in y	ear 2002 ex	ceeded th	ne perc	entile (criterion.			
Hallock (2004), Dept. of Ecology ambient station 35F070 shows that of 2 samples none exceed the criterion. High pH Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001. N PATAHA CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. N PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. N PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. N PATAHA CREEK BT00LT St. 35.381 St. 40528 N PATAHA CREEK BT00LT St. 35.381 St. 40528 N PATAHA CREEK BT00LT St. 35.381 St. 40528 S N PATAHA CREEK BT00LT St. 35.381 St. 40528 S N PATAHA CREEK BT00LT St. 40528 S N PATAHA CREEK BT00LT St. 40529 S S S S S S S S S S S S S S S S S S S					1 high value	e from 4 s	amples	collec	eted at RM 40 on the	same day)		
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35F070 (Pataha Ck @ Archer Rd) shows 4 excursions beyond the criterion out of 12 samples collected between 1993 - 2001. 135 13847 5 N PATAHA CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. 135 22436 5 N PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 135 22437 5 N PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily value of	35	11141 5	N	PATAHA CREEK	BT00LT	9.929	12N	39E	02	рН		Water
35 13847 5 N PATAHA CREEK Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. 35 22436 5 N PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degrees C from measurements collected in 2002. 35 22437 5 N PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C and a maximum daily va				Hallock (2004), Dept. of Ecology ambient station 35F070 shows that of 2 samples none exce	ed the crite	erion.					High pH	
Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner on 26 November 2002) shows a 7-day mean of daily maximum values of 27.4 for the week ending 16 July 2002 at the station called ' Pataha Creek - Mouth'. 35 22436 5 N PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 35 22437 5 N PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum 7-day mean of maximum 7-day mean of maximum 3-daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum 7-day					d) shows 4	excursior	ns beyo	nd the	criterion out of 12 sa	amples		
values of 27.4 for the week ending 16 July 2002 at the station called 'Pataha Creek - Mouth'. 35 22436 5 N PATAHA CREEK Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 35 22437 5 N PATAHA CREEK Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2001. Umatilla National Forest unpublished data from station PTHA@POM (BT00LT) show a maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. 35 40528 5 N PATAHA CREEK BT00LT 0.619 12N 39E 19 Temperature Water	35	13847 5	N	PATAHA CREEK	BT00LT	0	12N	38E	24	Temperature	9	Water
Umatilla National Forest unpublished data from station Pataha CR @ FS Bdy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of degrees C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 35						ember 20	02) sho	ws a 7	'-day mean of daily n	naximum		
C and a maximum daily value of 16.7 degress C from measurements collected in 2002. 8 Toul 1 35.381 12N 41E 36 Temperature Water Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. 8 Toul 1 12N 39E 19 Temperature Water 1 12N 39E 39 Temperature Water 1 12N 39E	35	22436 5	N	PATAHA CREEK	BT00LT	73.427	09N	42E	02	Temperature	•	Water
Umatilla National Forest unpublished data from station PTHA@POM (Pataha Cr @ FS Office in Pomeroy) show a maximum 7-day mean of maximum daily tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. 35 40528 5 N PATAHA CREEK BT00LT 0.619 12N 39E 19 Temperature Water					w a maximu	ım 7-day r	nean o	f maxii	mum daily temperture	es of degrees		
tempertures of 20.6 degrees C and a maximum daily value of 21.7 degress C from measurements collected in 2001. Umatilla National Forest unpublished data from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of maximum daily tempertures of 21.7 degrees C and a maximum daily value of 21.7 degrees C from measurements collected in 2002. 35 40528 5 N PATAHA CREEK BT00LT 0.619 12N 39E 19 Temperature Water	35	22437 5	N	PATAHA CREEK	BT00LT	35.381	12N	41E	36	Temperature	9	Water
·				tempertures of 20.6 degrees C and a maximum daily value of 21.7 degrees C from measure from station Pataha Cr @ FS Office in Pomeroy (BT00LT) show a maximum 7-day mean of	ments colle	cted in 20	01. Un	natilla	National Forest unpu	ıblished data		
Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 1 (SR 261 @ Delaney).	35	40528 5	N	PATAHA CREEK	BT00LT	0.619	12N	39E	19	Temperature	•	Water
				Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and	d 2001 at st	ation PAT	1 (SR	261 @	Delaney).			
35 40529 5 N PATAHA CREEK BT00LT 15.227 12N 40E 17 Temperature Water	35	40529 5	N	PATAHA CREEK	BT00LT	15.227	12N	40E	17	Temperature	•	Water
Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 2 (SR 12 at Dodge Junction).				Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and	d 2001 at st	ation PAT	2 (SR	12 at I	Dodge Junction).	•		
35 40530 5 N PATAHA CREEK BT00LT 28.095 11N 41E 05 Temperature Water	35	40530 5	N	PATAHA CREEK	BT00LT	28.095	11N	41E	05	Temperature	•	Water
Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and 2001 at station PAT 3 (SR12 at Marengo Road Bridge).				Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and	d 2001 at st	ation PAT	3 (SR	12 at N	Marengo Road Bridge	•		

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WRIA	Listing ID Category	/ 98 List?	Waterbody Name Basis	Location In	nformation	1			Parameter	Remarks	Medium
35	40531 5	N	PATAHA CREEK	BT00LT	49.336	11N	43E	07	Temperatur	e	Water
			Washington State University (2001) show excursions beyond the criterion in 1999, 2000, and	d 2001 at sta	ation PAT	4 (Ups	stream	of Sweeney Gulch o	confluence).		
35	18839 5	N	PENAWAWA CREEK	TG21GN	0.592	14N	41E	08	Temperatur	e	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 26.1 degrees C, with a maximum daily temperature of 27.5 degrees C from continuous mental degrees C.)	
35	18840 5	N	PENAWAWA CREEK	TG21GN	8.919	15N	41E	36	Temperatur	e	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 26.3 degrees C, with a maximum daily temperature of 27.8 degrees C from continuous mental continuous							•	
35	20354 5	N	PINTLER CREEK	ZS85EI	10.401	09N	45E	27	Temperatur	e	Water
			Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.4 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous mental continuous								
35	19017 5	N	SNAKE RIVER	YB86JO	201.02	11N	45E	07	4,4'-DDE		Tissue
			EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 13-C (River Mile 128.2) sample #98184128.	criterion fron	3 Largeso	ale Su	cker co	omposite of 6 fillet wi	th skin		
35	19018 5	N	SNAKE RIVER	YB86JO	206.74	11N	45E	21	4,4'-DDE		Tissue
			EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 13-D (River Mile 131) sample #98184129.	criterion fron	6 n Largeso	ale Su	cker co	omposite of 6 fillet wi	th skin		
			EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 13-D (River Mile 131) sample #98184130.	criterion fron	n Largeso	ale Su	cker co	omposite of 6 fillet wi	th skin		
35	16903 5	N	SNAKE RIVER	YB86JO	170.26	14N	43E	33	Dissolved o	xygen	Water
			U.S. Army Corps of Engineers unpublished data at station Lower Granite 108 show excursion 1994, 1995, 1996 & 1997.	ons beyond t	6 he criterio	n from	Hydro	olab measurements o	collected in		
35	16906 5	N	SNAKE RIVER	YB86JO	185.55 9	13N	44E	33	Dissolved o	xygen	Water
			U.S. Army Corps of Engineers unpublished data at station Lower Granite 118 show excursion 1994, 1995 & 1997.	ons beyond t	•	n from	Hydro	olab measurements o	collected in		

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
35	16927	5	N	SNAKE RIVER	YB86JO 219.2 11N 46E 21	Dissolved o	xygen Water
				U.S. Army Corps of Engineers unpublished data at station Snake 140 show excursions beyow \$1997.	ond the criterion from Hydrolab measurements collecte	ed in 1994, 1995	5
				Falter, 1990. shows excursions beyond the criterion at RM 140 in 1988.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT IN 60 samples collected between 1993 - 2001	TERSTATE BRIDGE) shows 0 excursions beyond the	criterion out of	
35	11155	5	N	SNAKE RIVER	YB86JO 219.2 11N 46E 21	рН	Water
				Hallock (2004), Dept. of Ecology ambient station 35A150 shows that 6 of 31 samples exceed	d the criterion.		Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42804kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT INsamples collected between 1993 - 2001.	TERSTATE BRIDGE) shows 2 excursions beyond the	criterion out of	<u> </u>
				Falter, 1990, shows no excursions beyond the criterion out of 11 measurements collected a	t RM 140 in 1988 and 1989.		
				U.S. Army Corps of Engineers unpublished data at station Snake 140 show 24 excursions b 1994-1997.	beyond the criterion out of 779 Hydrolab measurements	s collected in	
35	15173	5	N	SNAKE RIVER	YB86JO 187.94 12N 44E 02	рН	Water
				National Marine Fisheries Service unpublished data measured at Centennial Island show 34 collected during 1994.	4 excursions beyond the criterion out of 249 hydrolab n	neasurements	High pH
				Falter, 1990. shows 1 excursion beyond the criterion out of 11 measurements collected at F	RM 120 in 1988 and 1989.		
				U.S. Army Corps of Engineers unpublished data at station Centennial Island show 35 excurcollected in 1994-1995.	sions beyond the criterion out of 519 Hydrolab measur	ements	
35	15174	5	N	SNAKE RIVER	YB86JO 206.74 11N 45E 21	рН	Water
				National Marine Fisheries Service unpublished data measured at Centennial Island show 54 collected during 1994.	4 excursions beyond the criterion out of 235 hydrolab n	neasurements	High pH
				U.S. Army Corps of Engineers unpublished data at station Silcott Island show 73 excursions 1994-1995.	s beyond the criterion out of 517 Hydrolab measuremen	nts collected in	
35	15175	5	N	SNAKE RIVER	YB86JO 173.27 13N 43E 03	рН	Water
				National Marine Fisheries Service unpublished data measured at Centennial Island show 58 collected during 1994.	1 9 excursions beyond the criterion out of 250 hydrolab n	neasurements	High pH
				U.S. Army Corps of Engineers unpublished data at station Offield show 63 excursions beyon 1995.	nd the criterion out of 520 Hydrolab measurements col	lected in 1994-	

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WRIA	Listing ID Catego	ory !	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter Remarks	Medium
35	16931 5	5	N	SNAKE RIVER	YB86JO	231.09	10N	46E	22	рН	Water
				U.S. Army Corps of Engineers unpublished data at station Snake 148 show 43 excursions be 1997.	eyond the c	riterion o	ut of 97	' Hydro	lab measurements o	collected in	
35	6306 5	5	Υ	SNAKE RIVER	YB86JO	169.03	14N	43E	32	Temperature	Water
				US Army Corps of Engineers (2002a) station LGNW (Lower Granite Tailwater) shows a 7-da	y mean of o	daily max	imum v	alue o	f 20.6 deg. C in 2002	2.	
				US Army Corps of Engineers (2002a) station LGNW (Anatone) shows 79 days (out of 182) e	xceeding th	ne criterio	n in 20	01.			
35	6307 5	5	Υ	SNAKE RIVER	YB86JO	110.41	13N	38E	27	Temperature	Water
				U.S. Army Corp of Engineers (2001) station LGSW (Little Goose Tailwater) shows 30 days e	xceeding th	-	n in 20	00.			
				U.S. Army Corp of Engineers (2001) station LGS (Little Goose Forebay) shows 51 days exce	eeding the o	criterion i	n 2000				
35	8285 5	5	Υ	SNAKE RIVER	YB86JO	262.34	07N	47E	07	Temperature	Water
				2 excursions beyond the criterion at USGS station 13334300 (near Anatone) during 1990 ar	nd 1992.	3					
				US Army Corps of Engineers (2002a) station ANQW (Anatone) shows 79 days (out of 182) e	exceeding th	ne criterio	n in 20	00.			
35	16905 5	5	N	SNAKE RIVER	YB86JO	170.26	14N	43E	33	Temperature	Water
				U.S. Army Corps of Engineers unpublished data at station Lower Granite 108 show excursio 1994, 1996 &1997.	ns beyond t	6 the criteri	on fron	n Hydro	olab measurements	collected in	
35	16911 5	5	N	SNAKE RIVER	YB86JO	202.90	11N	45E	18	Temperature	Water
				U.S. Army Corps of Engineers unpublished data at station Lower Granite 129 show excursio 1994, 1996 &1997.	ns beyond t	5 the criteri	on fror	n Hydro	olab measurements	collected in	
35	16929 5	5	Υ	SNAKE RIVER	YB86JO	219.2	11N	46E	21	Temperature	Water
				U.S. Army Corps of Engineers unpublished data at station Snake 140 show excursions beyon 1995, 1996, and 1997.	nd the crite	rion from	Hydro	ab me	asurements collected	d in 1994, TRS was 11N-46E	E-46E on 1998 listkk
				Falter, 1990. shows excursions beyond the criterion at RM 140 in 1988 and 1989.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35A150 (SNAKE RIVER AT INT 60 samples collected between 1993 - 2001 measured on these dates: 93/08/02, 94/08/01, 94/0						criterion out of	
35	19120 5	5	N	SNAKE RIVER	YB86JO	201.02	11N	45E	07	Total PCBs	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 13-C (River Mile 128.2) sample #98184128.	criterion fron	3 n Larges	cale Su	cker c	omposite of 6 fillet w	ith skin	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
35	19121	5	N	SNAKE RIVER	YB86JO	206.74	11N	45E	21	Total PCBs		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 13-D (River Mile 131) sample #98184129.	criterion fror	6 n Largeso	cale Su	cker co	omposite of 6 fillet w	ith skin		
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1998 at station 13-D (River Mile 131) sample #98184130.	criterion fror	n Largeso	ale Su	cker co	omposite of 6 fillet w	ith skin		
35	18833	5	N	STEPTOE CREEK	PJ02YW	1.458	11N	45E	05	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 24.8 degrees C, with a maximum daily temperature of 26.6 degrees C from continuous mendel on 3 of 24.8 degrees C, with a maximum daily temperature of 26.6 degrees C from continuous mendel of						ily temperature	•	
35	18834	5	N	STEPTOE CREEK	PJ02YW	3.755	12N	45E	33	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.3 degrees C, with a maximum daily temperature of 21.7 degrees C from continuous mental continuous							•	
35	18835	5	N	TENMILE CREEK	IK96EU	0	10N	46E	36	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 23.5 degrees C, with a maximum daily temperature of 24.5 degrees C from continuous me Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 22.8 degrees C, with a maximum daily temperature of 23.8 degrees C from continuous me	easurement 3 December	s collecte 2002) sh	d in 20 ow a 7	02 at <i>A</i> -day m	bove Snake River F ean of maximum da	Rd. Brg. ily temperature		
35	18836	5	N	TENMILE CREEK	IK96EU	8.572	09N	46E	27	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 18.7 degrees C, with a maximum daily temperature of 19.1 degrees C from continuous mentals of 18.7 degrees						ily temperature	•	
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 17.9 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous mentals and the continuous mentals are continuous.						ily temperature		
35	20355	5	N	TENMILE CREEK	IK96EU	0.729	09N	46E	02	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 24.2 degrees C, with a maximum daily temperature of 25.3 degrees C from continuous mental continuous						ily temperature	•	
35	20356	5	N	TENMILE CREEK	IK96EU	14.072	08N	46E	09	Temperatur	e	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 25.5 degrees C, with a maximum daily temperature of 26.2 degrees C from continuous mentals and the continuous mentals are continuous.							•	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nformatio	า			Parameter		Medium
				Basis							Remarks	
35	16800	5	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	Fecal Colifo	orm	Water
				Hallock (2004), Dept. of Ecology ambient station 35B060 shows 1 of 4 samples (25%) in year 2003 exceeded the percentile criterion.	ar 2001 exc	eeded the	perce	ntile cr	iterion and 1 of 12	2 samples (8.3%)		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 0% of the samples does not exceed the percentile criterion from 9 samples collected du		geometric	mean	of 69	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 0% of the samples does not exceed the percentile criterion from 12 samples collected dependence of the samples collected dependence of the percentile criterion from 12 samples collected dependence of the samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion fr			mean	of 26	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 8% of the samples does not exceed the percentile criterion from 12 samples collected dependence of the samples and the samples collected dependence of the samples are samples as the samples collected dependence of the samples are samples as the samples collected dependence of the samples are samples as the samples are samples are samples as the samples are samples		geometric	mean	of 46	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power of the samples exceeds the percentile criterion from 11 samples collected during 1998.	rs) shows a	geometrio	mean	of 105	exceeds the crite	erion and that 18%	6	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 0% of the samples does not exceed the percentile criterion from 12 samples collected dependence of the samples collected dependence of the percentile criterion from 12 samples collected dependence of the samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion from 12 samples collected dependence of the percentile criterion fr	,	_	mean	of 43	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 0% of the samples does not exceed the percentile criterion from 3 samples collected du		geometric	mean	of 18	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 9% of the samples does not exceed the percentile criterion from 11 samples collected d		geometric	mean	of 36	does not exceed t	the criterion and		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (Tucannon R. at Power that 33% of the samples exceeds the percentile criterion from 3 samples collected during 19		geometric	mean	of 86	does not exceed t	the criterion and		
35	11144	5	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	рН		Water
				Hallock (2004), Dept. of Ecology ambient station 35B060 shows that 1 of 33 samples exceed	d the criterio	on.				•	High pH	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B060 (TUANNON RIVER AT samples collected between 1993 - 2001.	POWERS)	shows 11	excur	sions t	peyond the criteric	on out of 40		
35	11148	5	N	TUCANNON RIVER	KL66VJ	40.089	11N	40E	13	рН		Water
				Hallock (2004), Dept. of Ecology ambient station 35B150 shows that of 2 samples none exce	eed the crite	erion.				•		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B150 (Tucannon R nr Maren, collected between 1993 - 2001.	go) shows 3	excursio	ns beyo	ond the	e criterion out of 1	2 samples		
35	16934	5	N	TUCANNON RIVER	KL66VJ	2.518	12N	37E	10	рН		Water
	-			U.S. Army Corps of Engineers unpublished data at station Tucannon 1 show 4 excursions b				-	-	•	7.	

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35	3725	5	Υ	TUCANNON RIVER Dept. of Ecology unpublished data from core ambient monitoring station 35B060 (Tucannon for mid-week 13 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 3 beyond the criterion out of 40 samples collected between 1993 - 2001	KL66VJ R. at Power 35B060 (TU	3.051 rs) shows JANNON	12N a 7-da RIVER	ay mea	an of daily maximum	Temperature values of 26 excursions	е	Water
35	13848	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 25.9 for the week ending 14 July 2001 at the station called 'Tucannon River - Smol	KL66VJ on 26 Nove It Trap (HW	ember 200		37E ows a 7		Temperatur maximum	9	Water
35	13849	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 25.5 for the week ending 17 July 2002 at the station called 'Tucannon River - Smth				38E ows a 7		Temperatur maximum	е	Water
35	13850	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 25.3 for the week ending 16 August 2001 at the station called 'Tucannon River - H					_	Temperatur maximum	Э	Water
35	13853	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 24 for the week ending 3 August 2000 at the station called 'Tucannon River - Enrice		27.451 ember 200				Temperatur maximum	9	Water
35	13855	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 23.4 for the week ending 16 August 2001 at the station called 'Tucannon River - Ki						Temperatur maximum	9	Water
35	13856	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 22.9 for the week ending 4 August 2000 at the station called 'Tucannon River - Mathematical Hallock (2001) Dept. of Ecology Ambient Monitoring Station 35B150 (Tucannon R nr Mareng collected between 1993 - 2001 measured on these dates: 97/07/06, 97/08/03,	rengo Brido	je'.)2) sho	ws a 7	7-day mean of daily		е	Water
35	13857	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 22.6 for the week ending 12 August 2001 at the station called 'Tucannon River - Br			11N 02) sho		_	Temperatur maximum	Э	Water
35	13859	5	N	TUCANNON RIVER Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 22.4 for the week ending 13 August 2001 at the station called 'Tucannon River - Br		48.466 ember 200				Temperatur maximum	9	Water

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WRIA	Listing ID Catego	ry 98	8 List?	Waterbody Name Basis	Location Ir	nformation	1			Parameter	Remarks	Medium
35	13861 5	;	N	TUCANNON RIVER	BT00LT	29.873	11N	41E	04	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 21.7 for the week ending 16 August 2001 at the station called 'Tucannon River - E		ember 200)2) sho	ws a 7	-day mean of daily	maximum		
35	13864 5	5	N	TUCANNON RIVER	KL66VJ	56.583	10N	41E	21	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 20.6 for the week ending 17 July 2002 at the station called 'Tucannon River - Cum)2) sho	ws a 7	-day mean of daily	maximum		
35	13982 5	5	N	TUCANNON RIVER	KL66VJ	62.353	09N	41E	02	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 20.2 for the week ending 17 July 2002 at the station called 'Tucannon River - FS li		ember 200)2) sho	ws a 7	-day mean of daily	maximum		
35	13983 5	5	N	TUCANNON RIVER	KL66VJ	66.165	09N	41E	15	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 19.1 for the week ending 18 July 2002 at the station called 'Tucannon River - Big 4		ember 200)2) sho	ws a 7	-day mean of daily	maximum		
35	13984 5	;	N	TUCANNON RIVER	KL66VJ	68.213	09N	41E	21	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 18.4 for the week ending 9 July 2001 at the station called 'Tucannon River - Camp)2) sho	ws a 7	-day mean of daily	maximum		
35	15918 5	,	N	TUCANNON RIVER	KL66VJ	3.051	12N	37E	11	Turbidity		Water
				Hallock, 2002. shows 6 excursions beyond the criterion out of 12 samples collected between station 35B150 (Tucannon R nr Marengo) and the downstream station 35B060 (Tucannon F			red by t	he diff	erence between the	upstream		
35	13865 5	;	N	TUCANNON RIVER HATCHERY INTAKE	EJ00TL	0	10N	41E	27	Temperatur	е	Water
				Washington Department of Fish and Wildlife unpublished data (submitted by Joe Bumgarner values of 20.4 for the week ending 14 July 2001 at the station called 'Tucannon River - Hate)2) sho	ws a 7	-day mean of daily	maximum		
35	18838 5	;	N	WAWAWAI CREEK	DW18MN	0.236	13N	43E	02	Temperatur	е	Water
				Washington Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 of 20.2 degrees C, with a maximum daily temperature of 21.6 degrees C from continuous med Department of Fish & Wildlife unpublished data (submitted by Glen Mendel on 3 December 2 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous measurements.	easurements 2002) show	s collecte a 7-day n	d in 200 nean of	02 at F maxin	irst Culvert Washing num daily temperatu	gton		
36	19226 5	5	N	COLUMBIA RIVER	NN57SG	46119G	4H5	46.67	75 119.455	4,4'-DDE		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-F (River Mile 370) sample #97304978.	criterion fron	n Largesc	ale Su	cker co	emposite of 12 fillet	with skin		

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				Basis						Remarks
36	19227	5	N	COLUMBIA RIVER	NN57SG	46119G4I4	46.685	119.445	4,4'-DDE	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-H (River Mile 373) sample #97304979. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-H (River Mile 373) sample #97304980.		-				
36	19229	5	N	COLUMBIA RIVER	NN57SG	46119G7E3	46.645	119.735	4,4'-DDE	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-N (River Mile 391) sample #97470995. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-O (River Mile 392) sample #97470993.			•			
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-O (River Mile 392) sample #97470994.	criterion fron	n Mountain Whi	tefish comp	osite of 35 fillet	with skin	
36	19248	5	N	COLUMBIA RIVER	NN57SG	46119G7E3	46.645	119.735	Aldrin	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1997 at station 9-N (River Mile 391) sample #97470995.	criterion fron	n Mountain Whi	tefish comp	osite of 35 fillet	with skin	
36	19292	5	N	COLUMBIA RIVER	NN57SG	46119G7E3	46.645	119.735	Chlordane	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-N (River Mile 391) sample #97470995. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1997 at station 9-O (River Mile 392) sample #97470993.			·			
36	6309	5	N	COLUMBIA RIVER	NN57SG	46119C2G4	46.265	119.245	Temperature	e Water
				U.S. Army Corp of Engineers (2001) station PAQW (Pasco) shows 20 days exceeding the co	riterion in 20	00.			•	EPA has the lead in a Temperature TMDL for the Columbia
				U.S. Army Corp of Engineers (2002a) station PAQW (Pasco) shows 17 days (out of 359)exc	ceeding the o	criterion in 2001				and Snake Rivers that is underway.
36	11169	5	N	COLUMBIA RIVER	NN57SG	615.62 13N	25E 06		Temperature	. Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 36A070 (COLUMBIA RIVER NE samples collected between 1993 - 2001 measured on these dates: 97/08/12,	EAR VERNIT	ΓA) shows 1 ex	cursions be	yond the criterio	on out of 50	EPA has the lead in a Temperature TMDL for the Columbia and Snake Rivers that is underway.
				Grant County PUD station PRXW (Priest Rapids Downstream) shows 0 excursions beyond t 39 excursions in 2003.	the criterion	in 2000, 0 excu	rsions in 20	01, 0 excursions	s in 2002, and	

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		_									Remarks	
36	40946	5	N	COLUMBIA RIVER	IN57SG	660.95 16 9	N 23E	80		Temperature	1	Water
and				Grant County PUD station WAN (Wanapum Forebay) shows 66 excursions beyond the criterion	n in 2000,	77 excursion	ns in 2001	, 0 ex	cursions in 20	02, and 89	EPA has the lead in	a temperature TMDL for the Columbia
anu				excursions in 2003.							Snakes Rivers that	is underway.
36	40962	5		COLUMBIA RIVER N	IN57SG	46119G9E0	46.64	15	119.905	Temperature		Water
				Grant County PUD station PRD (Priest Rapids Forebay) shows 50 excursions beyond the criter excursions in 2003.	rion in 200	00, 69 excurs	ions in 20	001, 0	excursions in	2002, and 91	EPA has the lead in and Snake Rivers to	n a Temperature TMDL for the Columbinat is underway.
36	19390	5	N	COLUMBIA RIVER N	IN57SG	46119G4H5	46.67	75	119.455	Total PCBs		Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-F (River Mile 370) sample #97304978.	terion fror	n Largescale	Sucker c	ompos	site of 12 fillet	with skin		
36	19391	5	N	COLUMBIA RIVER N	IN57SG	46119G4I4	46.68	35	119.445	Total PCBs		Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-H (River Mile 373) sample #97304979.	terion fror	n Largescale	Sucker c	ompos	site of 12 fillet	with skin		
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-H (River Mile 373) sample #97304980.	terion fron	n Largescale	Sucker c	ompos	site of 12 fillet	with skin		
36	19393	5	N	COLUMBIA RIVER N	IN57SG	46119G7E3	46.64	15	119.735	Total PCBs		Tissue
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-N (River Mile 391) sample #97470995.	terion fror	n Mountain V	/hitefish o	compo	site of 35 fillet	with skin		
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-O (River Mile 392) sample #97470993.	terion fror	n Mountain V	/hitefish o	compo	site of 35 fillet	with skin		
				EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule crit collected in 1997 at station 9-O (River Mile 392) sample #97470994.	terion fror	n Mountain V	/hitefish o	compo	site of 35 fillet	with skin		
36	16080	5	N	EAST POTHOLES CANAL C	K78EG	13.455 13	N 30E	28		рН		Water
				U.S. Bureau of Reclamation station CBP014 (POTHOLES E CA AT MILE 38.0) shows 11 excl 1993-1999	ursions be	yond the crit	erion out	of 16 s	samples collec	cted between	High pH	
36	16082	5	N	EAST POTHOLES CANAL R	V63PE	9.273 11	N 28E	36		рН		Water
				U.S. Bureau of Reclamation station CBP015 (POTHOLES E CA AT MILE 65.8) shows 13 excu 1993-1999	ursions be	eyond the crit	erion out	of 23 s	samples collec	cted between	High pH	
36	16075	5	N	EL 68T31 WASTEWAY	IB75UZ	9.928 15	N 30E	31		рН		Water
				U.S. Bureau of Reclamation station EID016 (EL 68T31 WASTEWAY AT POTHOLES CANAL) between 1993-1999	shows 4	excursions b	eyond the	criteri	ion out of 4 sa	•	l High pH	

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			Basis						Remarks		
36	16074 5	N	ELTOPIA BRANCH CANAL	0000BI	12.198	11N	30E	11	рН		Water
			U.S. Bureau of Reclamation station CBP051 (ELTOPIA B CA AT EB WW) shows 4 excurs	ions beyond	the criteri	on out	of 10 s	samples collected be	tween 1993-1999	High pH	
36	6733 5	Υ	ESQUATZEL COULEE	LQ86BT	0	10N	30E	08	рН		Water
			U.S.Geological Survey data from NWIS database station 12513650 (below headworks ne collected between 1993 and 1997.	ar Pasco) sh	ows 11 ex	cursio	ns bey	rond the criterion out	of 48 samples High pH		
36	16079 5	N	ESQUATZEL COULEE	IP50XP	19.043	13N	30E	35	рН		Water
			U.S. Bureau of Reclamation station CBP088 (ESQUATZEL CHANNEL AT SHEFFIELD R) between 1993-1999	shows 10 ex	cursions	beyon	d the c	riterion out of 21 sam	nples collected High pH		
36	8295 5	Υ	ESQUATZEL COULEE	LQ86BT	0	10N	30E	08	Temperature		Water
			7 excursions beyond the criterion at USGS station 12513650 (below headworks near Pasco	o) during 199	3 and 199	94.					
36	16104 5	N	ESQUATZEL DIVERSION CHANNEL	UR03JQ	0.036	10N	28E	13	рН		Water
			U.S. Bureau of Reclamation station CBP052 (ESQUATZEL DIV CHNL AT COLUMBIA R between 1993-1999	c) shows 5 e	xcursions	beyon	d the o	criterion out of 21 san	nples collected High pH		
36	15169 5	N	PE 16.4 WASTEWAY	MQ42MP	3.638	15N	29E	33	pH		Water
			U.S. Bureau of Reclamation station CBP090 (PE16.4WW AT ADAMS FARNKLIN CITY) sl between 1993-1999	hows 5 excur	sions bey	ond the	e crite	rion out of 27 sample	s collected		
36	16078 5	N	PE 16.4 WASTEWAY	PB53CQ	14.607	12N	28E	25	рН		Water
			U.S. Bureau of Reclamation station CBP029 (PE16.4WW AT COLUMBIA RIVER) shows 7 1993-1999	excursions	beyond th	e crite	rion ou	t of 26 samples colle	cted between High pH		
36	16083 5	N	PE 16.4 WASTEWAY	NU6800	8.018	14N	29E	26	рН		Water
			U.S. Bureau of Reclamation station CBP017 (PE16.4 WW AT HENDRICKS RD) shows 16 1993-1999	excursions I	peyond th	e criter	ion ou	t of 26 samples colle	cted between High pH		
36	16084 5	N	SADDLE MOUNTAIN WASTEWAY	RM06ZQ	11.181	14N	25E	10	рН		Water
			U.S. Bureau of Reclamation station CBP096 (SADDLE MTN WW AT HWY 24) shows 17 e 1993-1999	excursions be	yond the	criterio	n out	of 28 samples collect	ed between High pH		

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WRIA	Listing ID Categor	ry 98 L	ist?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
36	8298 5	Y		SCBID PE 16.4 WASTEWAY Data from USGS station 12473508 (SCBID PE 16.4 Wasteway near mouth near Ringold) (s beyond the criterion in 1993, 1994 and 1995.	PB53CQ ubmitted by					Temperatur cursions	е	Water
36	17191 5	N		SCOOTENEY RESERVOIR Seiders, 2004 shows fillet samples of channel catfish and walleye collected in 2003 exceeded Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fills SCOOSEO (SCOOTENEY RESERVOIR SOUTHEAST OF OTHELLO).	ets of Micro	nal Toxio	s Rule	criterio	cted on 9/14/1995 at			Tissue
				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill SCOOSEO (SCOOTENEY RESERVOIR SOUTHEAST OF OTHELLO).	ets of Micro	pterus a	olomieu	ii collec	ted on 9/14/1995 at	station		
36	43385 5	N		SCOOTENEY RESERVOIR Seiders, 2004 shows fillet samples of channel catfish collected in 2003 exceeded the Nation	518XGQ al Toxics Ri				CBs	Total PCBs		Tissue
36	16087 5	Y		SCOOTENEY WASTEWAY U.S. Bureau of Reclamation station CBP012 (SCOOTENEY WW AT SCOOTENEY R.E.) st 93/05/19, 98/06/29. 6 excursions beyond the criterion at USBR station CBP012 (at Scooteney R.E.) between 198		ırsions b		30E he crite		Dissolved o	oxygen	Water
36	16076 5	N		SCOOTENEY WASTEWAY U.S. Bureau of Reclamation station CBP012 (SCOOTENEY WW AT SCOOTENEY R.E.) sh between 1993-1999	OQ61OL hows 6 excu				-	pH es collected	High pH	Water
36	16077 5	N		WB5 LATERAL DRAIN U.S. Bureau of Reclamation station CBP046 (WB5 LATERAL AT WB CANAL) shows 6 exc. 1993-1999	PB15BE ursions bey			29E out of		pH d between	High pH	Water
36	16081 5	N		WB5 WASTEWAY U.S. Bureau of Reclamation station CBP087 (WB5 WW 1 AT COLUMBIA RIVER) shows 12 1993-1999	UL81HU 2 excursions	8.512 s beyond		28E erion o		pH lected betweer	n High pH	Water
36	40594 5	N		WB5 WASTEWAY #1 Data from USBR station CBP087 (WB5 Wasteway 1 at Columbia River) (submitted by Tim Fout of 24 samples (25%) between1991 and 1997.	UL81HU Hamlin of EF					Temperature the criterion	e	Water

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U.S. Bureau of Reclamation station CBP087 (WB5 WW 1 AT COLUMBIA RIVER) shows 9 excursions beyond the criterion measured on these dates: 93/05/19, 93/07/27,

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				Basis							Remarks
37	16802	5	N	AHTANUM CREEK	YR47JF 1	1.854	12N	18E	08	Fecal Colifor	rm Water
				Hallock (2004), Dept. of Ecology ambient station 37G120 shows a geometric mean of 151.8 year 2002 exceeded the percentile criterion.	exceeded the	criterio	n in yea	ar 2002	2; and 3 of 9 sample	s (33.3%) in	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37G120 (AHTANUM CR @ 62N and that 44% of the samples exceeds the percentile criterion from 9 samples collected durin		s a geo	metric ı	mean (of 92 does not excee	ed the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37G120 (AHTANUM CR @ 62N 33% of the samples exceeds the percentile criterion from 3 samples collected during 2000.	ND AVE) shows	s a geo	metric i	mean (of 130 exceeds the o	criterion and tha	at
37	6337	5	Υ	GIFFIN LAKE	766SMZ 0	9N 2	2E 2	3		Total Phosp	horus Water
				Completed Phase I Federal Clean Lakes Restoration Project in 1993; Moore, et al. 1992.							Active Phase II Federal Clean Lakes Restoration Project: Control measures underway based on the Phase I study - watershed nutrient management.
37	7362	5	Υ	GRANGER DRAIN	KO70CH 0)	10N	21E	21	4,4'-DDD	Water
aguatio				4 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 1250	05460 (at moutl	th near	Grange	er) in 1	988.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk
37	7361	5	Υ	GRANGER DRAIN	KO70CH 0)	10N	21E	21	4,4'-DDE	Water
aquatic				7 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 1250	05460 (at moutl	th near	Grange	er) in 1	1988 and 1989.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk
37	40600	5	Υ	GRANGER DRAIN	KO70CH 1.	.13	10N	21E	22	Ammonia-N	Water
				5 excursions beyond the criterion between 11/91 and 2/94 at USBR station YAV137 (at Hwy	223 above Gra	anger).					JB 7-25-03: REASSESS
37	7360	5	Υ	GRANGER DRAIN	KO70CH 0)	10N	21E	21	DDT	Water
o avvotio				Rinella, et al. 1992, 8 excursions beyond the criterion collected between 5/88 and 6/89 at the	e mouth near G	Grangei	r.				Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic				Johnson, et al. 1986. 2 excursions beyond the criterion on Granger Drain at the mouth on 6/	24/85 and 8/5/8	85.					life criteria and not the more stringent human health criteria.
-											kk
37	7363	5	Υ	GRANGER DRAIN	KO70CH 0)	10N	21E	21	Dieldrin	Water
				Rinella, et al. 1992., 6 excursions beyond the criterion collected between 5/88 and 11/88 at	the mouth nea	ar Gran	iger				

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Local Basis	ation Info	rmation				Parameter	Medium Remarks
37 reassess	16093 ment	5	Y	GRANGER DRAIN Sunnyside Valley Irrigation District data (submitted 3/15/04 by Brian Jackson) shows 1 excursion by	70CH 1 beyond th			21E 80 sam		Dissolved o 4/99 – 10/03.	
				U.S. Bureau of Reclamation station YAV137 (GRANGER D AT HWY 223 AB GRANGER) shows 93/06/29, 93/07/27, 93/08/24, 93/10/26, 94/01/25, 94/05/24, 94/06/28, 94/07/25, 94/09/27, 95/01/37						these dates:	
37	7364	5	Υ	GRANGER DRAIN KO70	70CH 0)	10N	21E	21	Endosulfan	Water
				Rinella, et al. 1992., 4 excursions beyond the criterion collected between 6/88 and 8/88 at the more	outh near	r Grange	er.				
37	8302	5	Y	GRANGER DRAIN 4 excursions beyond the criterion at USGS station 12505450 (at Granger) in 1991.	70CH 1	.13	10N	21E	22	Temperature	e Water
				U.S. Bureau of Reclamation station YAV137 (GRANGER D AT HWY 223 AB GRANGER) shows 193/07/27, 94/05/24,	15 excu	rsions b	eyond	the crit	terion measured on t	these dates:	
37	7377	5	Υ	MOXEE (BIRCHFIELD) DRAIN YE21	1MH 0)	12N	19E	17	4,4'-DDD	Water
aguatic				7 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500430 ((at Thor	p road r	near Ur	nion Ga	ap) in 1988.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk
37	7376	5	Υ	MOXEE (BIRCHFIELD) DRAIN YE21	1MH 0)	12N	19E	17	4,4'-DDE	Water
aquatic				10 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500430	0 (at Tho	orp road	near U	Jnion G	Gap) in 1988 and 198	39.	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-											life criteria and not the more stringent human health criteria.
											kk
37	7378	5	Υ	MOXEE (BIRCHFIELD) DRAIN YE21	1MH 0).189	12N	19E	08	Chlorpyrifos	s Water
				Davis and Johnson, 1994. excursions beyond the criterion collected in 2 samples in April and Augu	ust 1993	l.					Changed from 3 to 2 samples beyond the Washington State Surface Water Quality Standards based on review of Basis documentation (Davis and Johnson, October 1994) -kk
37	7373	5	Υ	MOXEE (BIRCHFIELD) DRAIN TK46	6RP 0)	12N	19E	09	DDT	Water
				Rinella, et al. 1992. , 9 excursions beyond the criterion collected between 5/88 and 6/89							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk

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37 aquatic	7380	5 Y		MOXEE (BIRCHFIELD) DRAIN Johnson, et al. 1986, 3 excursions beyond the criterion collected on Moxee Drain at mouth of	YE21MH on 6/24/85,		12N 19 nd 8/21/8		DDT	Water PaReturned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-										life criteria and not the more stringent human health criteria.
37	7374	5 `		MOXEE (BIRCHFIELD) DRAIN Rinella, et al. 1992, 8 excursions beyond the criterion collected between 5/88 and 8/88.	TK46RP	0	12N 19	9E 09	Dieldrin	Water Water
37	7375	5		MOXEE (BIRCHFIELD) DRAIN Rinella, et al. 1992, 8 excursions beyond the criterion collected between 5/88 and 8/88	TK46RP	0	12N 19	9E 09	Endosulfan	Water
37	7383	5 \		MOXEE (BIRCHFIELD) DRAIN Johnson, et al. 1986, 3 excursions beyond the criterion on Moxie Drain at mouth on 6/24/85,	YE21MH 7/2/85, an		12N 19	9E 08	Endosulfan	Water
37	7367	5 I		SNIPES CREEK 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125098	SL56UX 320 (near F		09N 25 n 7/29/88		4,4'-DDD	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -										life criteria and not the more stringent human health criteria.
37 aquatic	7369	5 I		SNIPES CREEK 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125098	SL56UX 329 (at mou			5E 27 7/29/88.	4,4'-DDD	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.
37 aquatic	7366	5 I		SNIPES CREEK 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125098	SL56UX 320 (near F			5E 22	4,4'-DDE	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.
37 aquatic	7370	5 I		SNIPES CREEK 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125098	SL56UX 329 (at moเ		09N 25 tstran) on		4,4'-DDE	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.

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WRIA	_isting ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformation	า			Parameter	Medium Remarks
37	7365	5	N	SNIPES CREEK Rinella, et al. 1992, 1 excursion beyond the criterion on 7/29/88.	SL56UX	0	09N	25E	27	DDT	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -				Johnson, et al. 1986, 1 excursion beyond the criterion on Snipes/Spring Creek below Change	dler Canal	on 8/5/85.					life criteria and not the more stringent human health criteria.
37	16092	5	Υ	SNIPES CREEK	SL56UX	0	09N	25E	27	Temperature	e Water
				Sunnyside Valley Irrigation District data (submitted 3/15/04 by Brian Jackson) shows 26 excu 2000, 5 in 2001, 3 in 2002, and 5 in 2003. Carroll and Joy (2002) station YAK-19 (SNIPES CR. (CHANDCAN)) shows 0 excursions bey	-						Recent monitoring data from 2000 shows that temperature standards were met. The daily maximum excursions in 1993 are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent
temperati	ire			07/00.				•			impairment. Listing will be placed in waters of concern
				U.S. Bureau of Reclamation station YAV139 (SNIPES C. AT OLD INLAND EMPIRE R) shown 93/06/29, 93/07/27,	vs 17 excu	rsions bey	ond the	e criter	ion measured on the	ese dates:	category until further study and monitoring indicates the status of the water.
37	7355	5	N	SPRING CREEK	KM06JM	0.587	09N	25E	28	4,4'-DDD	Water
o quatia				1 excursion beyond the criterion at USGS station 12509700 (at Hess Road) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk
37	7357	5	N	SPRING CREEK	KM06JM	0	09N	25E	27	4,4'-DDD	Water
aquatic				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509	710 on 7/2	9/88.					Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquano											life criteria and not the more stringent human health criteria.
-											kk
37	7354	5	N	SPRING CREEK	KM06JM	0.587	09N	25E	28	4,4'-DDE	Water
				1 excursion beyond the criterion at USGS station 12509700 (at Hess Road) on 7/29/88.							Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.
-											kk
37	7358	5	N	SPRING CREEK	KM06JM	0	09N	25E	27	4,4'-DDE	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509				•		•	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic											life criteria and not the more stringent human health criteria.

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37	7353	5	N	SPRING CREEK Rinella, et al. 1992, 1 excursion beyond the criterion on7/29/88.	KM06JM	0	09N	25E	27	DDT	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -											life criteria and not the more stringent human health criteria.
37	8906	5	Y	SULPHUR CREEK WASTEWAY 5 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 1250	YT62AF 08850 (near	0.569 Sunnysid	09N le) in 1	22E 988.	24	4,4'-DDD	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -											life criteria and not the more stringent human health criteria.
37 aquatic	7385	5		SULPHUR CREEK WASTEWAY 8 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 1250	YT62AF 08850 (near	0.569 Sunnysid		22E ween 1		4,4'-DDE	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-											life criteria and not the more stringent human health criteria.
37	7384	5		SULPHUR CREEK WASTEWAY 2 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04	YT62AF N002 in 198	0.267 55.	09N	22E	25	DDT	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -											life criteria and not the more stringent human health criteria.
37	8909	5		SULPHUR CREEK WASTEWAY Rinella, et al. 1992, 7 excursions beyond the criterion collected between 5/88 and 6/89 near	YT62AF Sunnyside.	0.569	09N	22E	24	DDT	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic -											life criteria and not the more stringent human health criteria.
37	8911	5		SULPHUR CREEK WASTEWAY Rinella, et al, 1992, 8 excursions beyond the criterion collected between 5/88 and 3/89 near	YT62AF Sunnyside.	0.569	09N	22E	24	Dieldrin	Water
37	8908	5		SULPHUR CREEK WASTEWAY Rinella, et al. 1992, 5 excursions beyond the criterion collected between 6/88 and 89/88 near	YT62AF ar Sunnyside	0.569 e.	09N	22E	24	Endosulfan	Water

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	า			Parameter	Medium Remarks
37	16803	5	N	SULPHUR CREEK WASTEWAY Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37F070 (Sulfer Ck Wasteway @ and that 100% of the samples exceeds the percentile criterion from 2 samples collected durin Station 37F070 (Sulfer Ck Wasteway @ McGee Rd) shows a geometric mean of 1437 exceed criterion from 9 samples collected during 1994.	ng 1993.; I	Hallock (2	a geom :001) D	ept. of	nean of 1237 exceed Ecology Ambient Mo	onitoring	n
37 aquatic	8849	5	Y	WIDE HOLLOW CREEK 3 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500	DY38VO 0445 in 198	-	12N 89.	19E	08	4,4'-DDD	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria kk
37 aquatic	8848	5	Y	WIDE HOLLOW CREEK 6 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500	DY38VO 0445 in 198	-	12N 89.	19E	08	4,4'-DDE	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria kk
37 aquatic	8855	5	Y	WIDE HOLLOW CREEK Rinella, et al. 1992., 3 excursions beyond the criterion collected on 6/3/88, 7/27/88, and 3/10	EB21AR 0/89 near th	7				DDT	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria kk
37	8856	5	Y	WIDE HOLLOW CREEK Rinella, et al. 1992, 5 excursions beyond the criterion collected between 5/88 and 12/88 nea	EB21AR ar the mout	7		19E	08	Dieldrin	Water
37	8857	5	Y	WIDE HOLLOW CREEK Rinella, et al. 1992, 6 excursions beyond the criterion collected between 5/88 and 3/89 near	EB21AR the mouth	7		19E	08	Endosulfan	n Water
37	6717	5	Y	WIDE HOLLOW CREEK Kendra, 1988, 2 excursions beyond the upper criterion at RM 0.9 in 7/87.	DY38VO	1.318	12N	19E	07	Fecal Colifo	orm Water Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.
37	6718	5	Y	WIDE HOLLOW CREEK Kendra, 1988, 2 excursions beyond the upper criterion at RM 5.3 in 7/87.	DY38VO	6.451	13N	18E	35	Fecal Colifo	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

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37	8306	5	Y	WIDE HOLLOW CREEK Embrey, 1992. Station site #23 shows that 2 of 2 (100%) samples taken on 7/28/88 exceeded	DY38VO 0 d the percentile co		19E	08	Fecal Colifor	m	Water
37	16804	5	N	WIDE HOLLOW CREEK Hallock (2004), Dept. of Ecology ambient station 37E120 shows a geometric mean of 201.5 at 2001 exceeded the percentile criterion; and 4 of 9 samples (44.4%) in year 2002 exceeded the Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37E120 (WIDE HOLLOW CR @ criterion and that 78% of the samples exceeds the percentile criterion from 9 samples collect Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37E120 (WIDE HOLLOW CR @ criterion and that 100% of the samples exceeds the percentile criterion from 3 samples collect	he percent RANDALL PARKed during 2001. RANDALL PARK	erion in yea <) shows a <) shows a	ı geome	etric mean of 819 ex	ceeds the	m	Water
37 Creek" measurer	8307	5	Y	WIDE HOLLOW CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 4 excursions beyon	EB21AR 178. 7 ond the criterion in		19E	08		This listing appears at the same locaito were taken, but res Category 5 listing is	Water on the 1998 303(d) list as "Spring n. Continuous temperature sults reported as single day maximums. s continued from 1998 assessment based ons from continuous monitoring.
37 aquatic	8862	5	N	YAKIMA RIVER 11 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125	EB21AR 48.6 10500 (at Kiona)		27E 968 an	_		Lower Yakima Pesi	Water bry 5 from 4A on 02/01/05 because the cicides TMDL targets are for chronic the more stringent human health criteria.
37 aquatic	8889	5	N	YAKIMA RIVER 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12509	EB21AR 89.7 (Lower Yakima Pes	Water by 5 from 4A on 02/01/05 because the circides TMDL targets are for chronic the more stringent human health criteria.
37 aquatic	14254	5	N	YAKIMA RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	EB21AR 48.64 fish composite of		27E sue of B	_		Lower Yakima Pes	Tissue ory 5 from 4A on 02/01/05 because the cicides TMDL targets are for chronic the more stringent human health criteria.

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37	14255	5	N	YAKIMA RIVER	EB21AR 176.38 12N 19E 17	4,4'-DDD	Tissue
aquatic				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple sucker and Northern squawfish samples collected in 1984.	fish composite of edible tissue of Mountain whitefish,	Bridgelip	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aqualic -							life criteria and not the more stringent human health criteria.
							kk
37	16430	5	N	YAKIMA RIVER	EB21AR 89.762 09N 23E 34	4,4'-DDD	Tissue
aquatic				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fille (YAKIMA RIVER SOUTHWEST OF GRANDVIEW).	ets of Cyprinus carpio collected on 9/12/1995 at statio	n YAKRGR	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-							life criteria and not the more stringent human health criteria.
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a compos station YAKRGR (YAKIMA RIVER SOUTHWEST OF GRANDVIEW).	ite of 5 fillets of Micropterus dolomieui collected on 9/	12/1995 at	kk
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a compos	ite of 5 fillets of Cyprinus carpio collected on 9/12/199	5.	
37	8861	5	Υ	YAKIMA RIVER	EB21AR 29.109 10N 27E 03	4,4'-DDE	Tissue
aguatia				Davis and Johnson, 1994., excursions beyond the criterion in edible fish tissue at Horn Rap	pids Dam in 1992.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic							life criteria and not the more stringent human health criteria.
-							kk
37	8874	5	Y	YAKIMA RIVER	EB21AR 156.77 11N 20E 20	4,4'-DDE	Tissue
aguatic				Johnson, et al. 1986. , excursions beyond the criterion of a composite of 3 fish of the edible Buena in 1985.	tissue in Mountain Whitefish, Suckers, and Northern S	Squawfish at	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic							life criteria and not the more stringent human health criteria.
_							kk
37	8877	5	N	YAKIMA RIVER	EB21AR 176.38 12N 19E 17	4,4'-DDE	Water
aguatia				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500	1450 (above Ahtanum Creek at Union Gap) on 7/27/8	88.	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic							life criteria and not the more stringent human health criteria.
-							kk
37	8890	5	N	YAKIMA RIVER	EB21AR 48.64 09N 27E 19	4,4'-DDE	Water
aquatic				22 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 125	10500 (at Kiona) between 1968 and 1989.;		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name L Basis	ocation Information	Parameter	Medium Remarks
37 aquatic	8891	5	N	YAKIMA RIVER 1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 1250905	B21AR 89.762 09N 23E 34 50 (at Euclid Bridge at RM 55 near Grandview) on 7	4,4'-DDE /28/88.	Water Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.
37 aquatic	8893	5	N	YAKIMA RIVER Johnson, et al. 1986., excursions beyond the criterion of edible tissue in Largescale Suckers, Kiona in 1985.	EB21AR 50.382 09N 26E 13 Northern Squawfish, Smallmouth Bass, and Channe	4,4'-DDE el Catfish at	Tissue Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
37 aquatic	14256	5	Y	YAKIMA RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fis squawfish samples collected in 1984.	EB21AR 48.64 09N 27E 19 Sh composite of edible tissue of Bridgelip sucker and	4,4'-DDE Northern	Tissue Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria.
37 aquatic	14257	5	N	YAKIMA RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fis sucker and Northern squawfish samples collected in 1984.	EB21AR 176.38 12N 19E 17 5 sh composite of edible tissue of Mountain whitefish, I	4,4'-DDE Bridgelip	Tissue Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
37 aquatic	19592	5	N	YAKIMA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule crit in 1998 at station 48-A (River Mile 2.1) sample #98204153. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule crit in 1998 at station 48-A (River Mile 2.1) sample #98204154. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule crit in 1998 at station 48-A (River Mile 2.1) sample #98204155.	erion from Channel Catfish composite of 2 fillet with	skin collected	Tissue Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic life criteria and not the more stringent human health criteria. kk
37	19595	5	N	YAKIMA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule crit collected in 1998 at station 48-I (River Mile 83) sample #98164079.	EB21AR 134.97 10N 21E 28 7 erion from Largescale Sucker composite of 6 fillet w	4,4'-DDE th skin	Tissue Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic

life criteria and not the more stringent human health criteria.

kk

EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 6 fillet with skin collected in 1998 at station 48-I (River Mile 83) sample #98164080.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
37	19597	5	N	YAKIMA RIVER	EB21AR 135.70 10N 21E 21	4,4'-DDE	Tissue
aquatic				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-J (River Mile 85) sample #98164078.	criterion from Largescale Sucker composite of 6 fillet w	rith skin	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-							life criteria and not the more stringent human health criteria.
							kk
37	19598	5	N	YAKIMA RIVER	EB21AR 76.341 08N 24E 02	4,4'-DDE	Tissue
aquatic				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-F (River Mile 47.1) sample #98124165.	criterion from Mountain Whitefish composite of 10 fillet	with skin	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-							life criteria and not the more stringent human health criteria.
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-F (River Mile 47.1) sample #98124166.	criterion from Mountain Whitefish composite of 10 fillet	with skin	kk
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-F (River Mile 47.1) sample #98124167.	criterion from Mountain Whitefish composite of 10 fillet	with skin	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1997 at station 48-F (River Mile 47.1) sample #97420937.	e criterion from Fall Chinook composite of 5 fillet with sl	kin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1997 at station 48-F (River Mile 47.1) sample #97420938.	e criterion from Fall Chinook composite of 5 fillet with sl	kin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1997 at station 48-F (River Mile 47.1) sample #97420939.	e criterion from Fall Chinook composite of 5 fillet with sl	kin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1997 at station 48-F (River Mile 47.1) sample #97420940.	e criterion from Fall Chinook composite of 5 fillet with sl	kin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1998 at station 48-F (River Mile 47.1) sample #98124153.	e criterion from Steelhead composite of 4 fillet with skin	collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1998 at station 48-F (River Mile 47.1) sample #98124154.	e criterion from Steelhead composite of 4 fillet with skin	collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule 1998 at station 48-F (River Mile 47.1) sample #98124155.	e criterion from Steelhead composite of 4 fillet with skin	collected in	
37	19601	5	N	YAKIMA RIVER	EB21AR 30.827 10N 27E 04	4,4'-DDE	Tissue
aguatia				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule in 1998 at station 48-B (River Mile 18) sample #98174082.	criterion from Smallmouth Bass composite of 3 fillet wi	th skin collected	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic							life criteria and not the more stringent human health criteria.
-							kk

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name	Location In	nforma	ation				Parameter	Medium
				Basis								Remarks
37	19602	5	N	YAKIMA RIVER	EB21AR	47.6	52 09N	N 271	E	17	4,4'-DDE	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic in 1998 at station 48-C (River Mile 26) sample #98174080.	Rule criterion from	m Sma	allmouth	Bass c	com	posite of 3 fillet	with skin collected	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic in 1998 at station 48-C (River Mile 26) sample #98174081.	Rule criterion from	m Sma	allmouth	Bass c	com	posite of 3 fillet	with skin collected	kk
37	19614	5	N	YAKIMA RIVER	EB21AR	2.69	2 091	N 28I	E	24	4,4'-DDT	Tissue
oguatia				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic in 1998 at station 48-A (River Mile 2.1) sample #98204154.	Rule criterion from	m Cha	innel Cat	fish co	mpo	osite of 2 fillet w	vith skin collected	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic in 1998 at station 48-A (River Mile 2.1) sample #98204155.	Rule criterion from	m Cha	innel Cat	fish co	mpo	osite of 2 fillet w	vith skin collected	kk
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic in 1998 at station 48-A (River Mile 2.1) sample #98204153.	c Rule criterion fro	om Cha	annel Ca	atfish c	omp	posite of 2 fillet	with skin collected	
37	19622	5	N	YAKIMA RIVER	EB21AR	30.8	327 10 1	N 271	E	04	4,4'-DDT	Tissue
oguatia				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic in 1998 at station 48-B (River Mile 18) sample #98174082.	Rule criterion from	m Sma	allmouth	Bass c	com	posite of 3 fillet	with skin collected	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-												kk
37	14258	5	N	YAKIMA RIVER	EB21AR	48.6	64 091	N 271	E	19	ALPHA-BHC	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a maguawfish samples collected in 1984.	ultiple fish compo	osite of	f edible t	issue c	of Br	ridgelip sucker a	and Northern	
37	14259	5	N	YAKIMA RIVER	EB21AR	176. 5	.38 121	N 19I	E	17	ALPHA-BHC	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a m	nultiple fish compo	osite of	f edible t	issue o	of M	ountain whitefis	sh, Bridgelip	

Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fish composite of edible tissue of Mountain whitefish, Bridgelip sucker and Northern squawfish samples collected in 1984.

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WRIA L	isting ID Ca	tegory	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
37	19705	5	N	YAKIMA RIVER	EB21AR 76.341 08N 24E 02	Chlordane	Tissue
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1997 at station 48-F (River Mile 47.1) sample #97420937.	tional Toxic Rule criterion from Fall Chinook composite of 5	fillet with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1997 at station 48-F (River Mile 47.1) sample #97420938.	tional Toxic Rule criterion from Fall Chinook composite of 5	fillet with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1997 at station 48-F (River Mile 47.1) sample #97420939.	tional Toxic Rule criterion from Fall Chinook composite of 5	fillet with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1997 at station 48-F (River Mile 47.1) sample #97420940.	tional Toxic Rule criterion from Fall Chinook composite of 5	fillet with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1998 at station 48-F (River Mile 47.1) sample #98124153.	tional Toxic Rule criterion from Steelhead composite of 4 fil	let with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1998 at station 48-F (River Mile 47.1) sample #98124154.	tional Toxic Rule criterion from Steelhead composite of 4 fil	let with skin collected in	
				EVS Environmental Consultants (2000) show no excursions beyond the Na 1998 at station 48-F (River Mile 47.1) sample #98124155.	tional Toxic Rule criterion from Steelhead composite of 4 fil	let with skin collected in	
				EVS Environmental Consultants (2000) show an excursion beyond the Naticollected in 1998 at station 48-F (River Mile 47.1) sample #98124165.	onal Toxic Rule criterion from Mountain Whitefish composit	e of 10 fillet with skin	
				EVS Environmental Consultants (2000) show an excursion beyond the Naticollected in 1998 at station 48-F (River Mile 47.1) sample #98124166.	onal Toxic Rule criterion from Mountain Whitefish composit	e of 10 fillet with skin	
				EVS Environmental Consultants (2000) show an excursion beyond the Nati collected in 1998 at station 48-F (River Mile 47.1) sample #98124167.	onal Toxic Rule criterion from Mountain Whitefish composit	e of 10 fillet with skin	
37	7351	5	Υ	YAKIMA RIVER	EB21AR 156.77 11N 20E 20	DDT	Tissue
				Johnson, et al. 1986. , excursions beyond the criterion of a composite of 3 Buena in 1985.;	fish of the edible tissue in Mountain Whitefish, Suckers, ar	d Northern Squawfish at	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
quatic							life criteria and not the more stringent human health criteria.
							kk
37	8860	5	Υ	YAKIMA RIVER	EB21AR 48.64 09N 27E 19	DDT	Water
				Rinella, et al. 1992. , excursions beyond the criterion at Kiona(RM 29.8) or Johnson, et al. (1986) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) or Johnson, et al. (1986) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) or Johnson, et al. (1986) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) or Johnson, et al. (1986) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) or Johnson, et al. (1986) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) or Johnson, et al. (1986) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) or Johnson (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) or Johnson (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursion beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which showed 1 excursions beyond the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows the criterion at Kiona (RM 29.8) which shows t			Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
quatic							life criteria and not the more stringent human health criteria.
							kk

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Local Basis	tion Inf	formatio	n			ı	Parameter	Medium Remarks
37	8873	5	N	YAKIMA RIVER EB2	1AR	135.70	10N	21E	E 21	l	DDT	Water
				2 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04A013 (ust be	7 low Grar	nger D	rain) c	on 6/2	24/85 and 8/5/85.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-												kk
37	8876	5	N	YAKIMA RIVER EB2	1AR	176.38 5	12N	19E	E 17	,	DDT	Water
				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12500450	above	•	n Cree	ek at L	Union	Gap) on 7/27/88.		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-												kk
37	8896	5	N	YAKIMA RIVER EB2	1AR	68.894	09N	25E	E 34	ļ	DDT	Water
aguatio				1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USEPA station 04A015 (ju	st belo	w Sprin	g/Snip	es Cre	eek) c	on 6/24/85.;		Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
aquatic												life criteria and not the more stringent human health criteria.
-												kk
37	8897	5	Υ	YAKIMA RIVER EB2	1AR	48.64	09N	27E	E 19)	DDT	Tissue
aquatic				Johnson, et al. 1986. , excursions beyond the criterion of edible tissue in Largescale Suckers, Not Kiona in 1985.;	thern S	Squawfis	sh, Sm	allmou	uth Ba	ass, and Channel	Catfish at	Returned to Category 5 from 4A on 02/01/05 because the Lower Yakima Pesticides TMDL targets are for chronic
-												life criteria and not the more stringent human health criteria.
												kk
37	8854	5	Υ	YAKIMA RIVER EB2		135.70	10N	21E	E 21	I	Dieldrin	Water
				Johnson, et al, 1986. 2 excursions beyond the criterion on Granger Drain at the mouth on 6/24/85		7 /5/85.						Water Body Name changed from Granger Drain to Yakima River. Page 5 of the cited reference clearly states the readings were taken on the left bank of the Yakima River (facing downstream) at Granger Drain.
37	8871	5	Υ	YAKIMA RIVER EB2	1AR	48.64	09N	27E	E 19)	Dieldrin	Water
				19 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12510500) (at Ki	ona) bet	ween	1968 a	and 1	988.		
				Johnson, et al. 1986. excursions beyond the criterion of edible tissue in Largescale Suckers, North	ern So	luawfish	, and (Chann	nel Ca	tfish at Kiona in 19	985.	
37	8875	5	Y	YAKIMA RIVER EB2	1AR	156.77 4	11N	20E	E 20)	Dieldrin	Tissue

Johnson, et al. 1986., excursion beyond the criterion of edible tissue in Mountain Whitefish at Buena on 8/20/85.

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WF	RIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location In	formatior	1			Parameter	Remarks	Medium
3	37	8902	5	Y	YAKIMA RIVER Davis and Johnson, 1994. Excursions beyond the criterion in edible fish tissue at Horn Rapid	EB21AR s Dam in 19		10N	27E	03	Dieldrin		Tissue
3	37	34887	5	N	YAKIMA RIVER EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit collected in 1998 at station 48-F sample #98124167. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1998 at station 48-F sample #98124153. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1998 at station 48-F sample #98124154. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420939. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1998 at station 48-F sample #98124155. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420938. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit collected in 1998 at station 48-F sample #98124165. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420940. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420940. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420937. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420937. EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit 1997 at station 48-F sample #97420937.	erion from a	Mountain Steelhea Steelhea Fall Chir Mountain Fall Chir	n White ad com nook co nook co nook co	afish composite or on the	omposite of 10 filler of 4 fillet with skin of 4 fillet with skin ite of 5 fillet with skin of 4 fillet with skin ite of 5 fillet with skin omposite of 10 filler with skin ite of 5 fillet with skin omposite of 10 filler with skin ite of 5 fillet with s	collected in collected in collected in collected in collected in it with skin cin collected in cin collected in		Tissue
•	7	8300	5	v	VAKIMA DIVED	ED24AD	76 244	OOM	24E	00	Dissolved ex		Water

37 8309 YAKIMA RIVER 5 Υ

EB21AR 76.341 08N 24E 02

Dissolved oxygen

Water

Data collected by City of Prosser (as a condition of their NPDES permit and submitted by Phelps Freeborn at CRO) show 9 excursions beyond the criterion out of 23 samples (39%) below Chandler dam in 1995 and 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A100 (Yakima below Prosser) shows 0 excursions beyond the criterion out of 9 samples collected impairments. Based on a review of monitoring studies for

between 1993 - 2001

During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O.

statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues

be impaired. (Braley, ECY/WQP, 2003)

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location	Informati	on			Parameter	Medium Remarks
37	8865	5	Υ	YAKIMA RIVER	EB21AR	R 48.64	09N	27E	19	Endosulfan	Water
				Rinella et al., 1992. 2 excursions beyond the national toxics rule criterion at Kiona in 1988.							
37	16807	5	N	YAKIMA RIVER	EB21AR	R 95.37	09N	23E	30	Fecal Colifo	rm Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A130 (Yakima R. at Mabton) of the samples exceeds the percentile criterion from 9 samples collected during 1994.	shows a	geometric	mean c	of 200 (exceeds the criterio	n and that 33%	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A130 (Yakima R. at Mabton) of the samples exceeds the percentile criterion from 2 samples collected during 1993.	shows a	geometric	mean c	of 159 (exceeds the criterio	n and that 50%	
37	6734	5	Υ	YAKIMA RIVER	EB21AR	R 48.64	09N	27E	19	рН	Water
				Hallock (2004), Dept. of Ecology ambient station 37A090 shows that 9 of 30 samples exceed	d the crite	rion.					Changed from Category 2 to Category 5 on 01/13/05 due to consolidation with Listing ID 42770kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A090 (YAKIMA RIVER AT KIC collected between 1993 - 2001.	ONA) sho	ws 4 excu	rsions b	eyond	the criterion out of	61 samples	An assessment of collective data indicates that eight
				U.S.Geological Survey data from NWIS database station 12510500 (at Kiona) shows 3 excu 1991 and 2001	ursions be	yond the	criterion	out of	107 samples collec	cted between	exceedances out of at least 169 samples does not meet Water Quality Policy 1-11 minimum requirements for placing the waterbody segement on Category 5 as an impaired
water.				Carroll and Joy (2002) station YAK-6 (YAKIMA R. (YAK-KION)) shows 1 excursions beyond	the criteri	on out of	l sampl	e colle	cted between 09/99) - 07/00.	This waterbody segment will be placed in Category 2 as a priority for monitoring so that adequate information can be obtained to determine if the waterbody is impaired.
37	11195	5	N	YAKIMA RIVER	EB21AR	R 183.99	13N	19E	28	рН	Water
				Hallock (2004), Dept. of Ecology ambient station 37A205 shows that 7 of 30 samples exceed	d the crite	5 rion.					Changed from Category 2 to Category 5 on 01/13/05 due to
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A205 (YAKIMA RIVER AT KN collected between 1993 - 2001.	NOB HILL) shows 3	excursi	ons be	yond the criterion o	ut of 38 samples	consolidation with Listing ID 42729kk
37	8311	5	Υ	YAKIMA RIVER	EB21AR	R 48.64	09N	27E	19	Temperature	e Water
				21 excursions beyond the criterion at USGS station 12510500 (at Kiona) during 1990, 1991,	1993, and	d 1994					
				Carroll and Joy (2002) station YAK-6 (YAKIMA R. (YAK-KION)) shows 0 excursions beyond the criterion out of 2 samples collected between 09/99 - 07/00.							
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 37A090 (YAKIMA RIVER AT KIC collected between 1993 - 2001 measured on these dates: 00/07/12, 94/07/12, 94/08/09, 96/0						60 samples	

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location I	nformati	ion				Parameter	Medium Remarks
37	7350	5	Υ	YAKIMA RIVER Johnson, et al. 1986. excursion beyond the criterion of edible tissue in Channel Catfish at K)/85.		N 27			Total PCBs	Tissue
37	8863	5	Y	Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984. YAKIMA RIVER	EB21AR						Total PCBs	Tissue
				Davis and Johnson, 1994. excursions beyond the criterion in edible fish tissue at Horn Rapid EVS Environmental Consultants (2000). show an excursion beyond the National Toxic Rule collected in 1998 at station 48-B (River Mile 18) sample #98174082.			lmouth	Bass	com	nposite of 3 fillet with	n skin	
37	8864	5	Y	YAKIMA RIVER Davis and Johnson. 1994. excursions beyond the criterion in edible fish tissue at Horn Rapid	EB21AR ids Dam in 1		9 101	N 27	E	03	Total PCBs	Tissue
37	14261	5	N	YAKIMA RIVER	EB21AR	176.38 5	8 121	N 19	E	17	Total PCBs	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple sucker and Northern squawfish samples collected in 1984.	e fish compo	site of e	edible t	issue (of M	ountain whitefish, B	ridgelip	
37	20045	5	N	YAKIMA RIVER	EB21AR	134.97 7	7 101	N 21	E	28	Total PCBs	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-I (River Mile 83) sample #98164079.	criterion from	m Large:	scale S	Sucker	cor	nposite of 6 fillet wit	h skin	
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-I (River Mile 83) sample #98164080.	criterion from	m Large:	scale S	Sucker	cor	mposite of 6 fillet wit	h skin	
37	20047	5	N	YAKIMA RIVER	EB21AR	135.70	0 101	N 21	E	21	Total PCBs	Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule collected in 1998 at station 48-J (River Mile 85) sample #98164078.	criterion from	m Large:	scale S	Sucker	cor	nposite of 6 fillet wit	h skin	
38	8314	5	Υ	AMERICAN RIVER	QX86IU	0	171	N 13	E	12	Temperature	e Water
part				23 excursions beyond the criterion sampled by Wenatchee National Forest station at the US	3GS gage (F	RM 0.5)	betwe	en 199	92 a	nd 1994 (submitted	by Bella	This waterbody was listed for temperature in 1998 and is
				Patheal of EPA on 12/1/95) .								of a temperature TMDL study for the Naches River Watershed.
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal o measurements collected in 2001 at station 'American River at USGS Station' (River Mile 5).		y 2003)	show	excurs	ions	s beyond the criterio	n from	
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 14.3 degrees C, with a measurements collected in 1998 at American River at USGS.	a maximum	daily ten	nperati	ure of	15 d	legrees C from cont	inuous	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Medium Remarks
38	8315	5	Υ	BEAR CREEK	JJ42VM	1.343	19N	13E	32	Temperature	e Water
part				23 excursions beyond the criterion sampled by Wenatchee National Forest at Road 1900 in	1992 (subm	nitted by	Bella F	atheal o	of EPA on 12/1/95)		This waterbody was listed for temperature in 1998 and is
part											of a temperature TMDL study for the Naches River Watershed.
38	8316	5	Υ	BLOWOUT CREEK	OL73EW	0.837	19N	12E	35	Temperature	e Water
port				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 9 excursions bey	ond the crit	erion in '	1994.				This waterbody was listed for temperature in 1998 and is
part											of a temperature TMDL study for the Naches River Watershed.
38	39332	5	Y	BUMPING RIVER	XR40PP	5.225	17N	13E	12	Temperature	e Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or measurements collected in 2000, 2001 and 2002 at station 'Bumping River at Cedar Spring O				xcursio	ns beyond the criter	ion from	
38	17214	5	N	COWICHE CREEK	AR69RI	0.325	13N	18E	09	4,4'-DDE	Tissue
				Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fills COWCAPR (COWICHE CREEK NORTHWEST OF YAKIMA).	ets of Onco	rhynchus	s mykis	s collec	ted on 9/25/1995 at	station	
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a compos	ite of 5 fille	s of Onc	orhyno	hus my	kiss collected on 9/2	25/1995.	
				Davis et al. 1998. show no excursions beyond the National Toxic Rule criterion in a compos station COWCAPR (COWICHE CREEK NORTHWEST OF YAKIMA).	ite of 5 fille	s of Onc	corhync	hus my	kiss collected on 9/2	25/1995 at	
38	8319	5	Υ	COWICHE CREEK	AR69RI	8.631	13N	17E	11	Fecal Colifor	rm Water
				Hallock (2004), Dept. of Ecology ambient station 38G120 shows a geometric mean of 209.8 year 2002 exceeded the percentile criterion.	exceeded t	he criteri	ion in y	ear 200	2; and 4 of 9 sampl	es (44.4%) in	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMI criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples				ometric	mean of 81 does no	ot exceed the	

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMMERMAN RD) shows a geometric mean of 119 exceeds the criterion and that 44% of the samples exceeds the percentile criterion from 9 samples collected during 2001.

Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected exceed the percential criteria at station CAN in 1995.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
38 part	8320	5	Y	COWICHE CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMI samples collected in 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38G120 (COWICHE CR @ ZIMI samples collected between 1993 - 2001. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 11 excursions began	MERMAN F	RD) show	s 0 exc	ursions	beyond the criterion		This waterbody was	Water s listed for temperature in 1998 and is MDL study for the Naches River
38	8322	5	Y	COWICHE CREEK, N.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected	TY98TL d exceed th					Fecal Colifo	rm	Water
38	8323	5	Y	COWICHE CREEK, N.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show sample collected	TY98TL exceed bo	-		17E e N.F.		Fecal Colifo	rm	Water
38 part	8321	5	Y	COWICHE CREEK, N.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 26 excursions be	TY98TL yond the cr	8.311 iterion in		17E	18	Temperature	This waterbody was	Water s listed for temperature in 1998 and is MDL study for the Naches River
38 part	8324	5	Y	COWICHE CREEK, N.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 20 excursions be	TY98TL yond the cr	-	_	17E	03	Temperature	This waterbody was	Water s listed for temperature in 1998 and is MDL study for the Naches River
38	8326	5	Υ	COWICHE CREEK, S.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show sample collected	VD04IL exceed the	8.54 geometr		16E criteri		Fecal Colifo	rm	Water
38	8327	5	Υ	COWICHE CREEK, S.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show samples collected		0 oth criteria	_	17E the S.F		Fecal Colifo	rm	Water
38 part	8318	5	Y	COWICHE CREEK, S.F. Mattews, 1992., shows 7-day means of daily maximums of 17.9 at station CW1 during 1990.	VD04IL and 1991.	23.519	13N	15E	22	Temperature	This waterbody was	Water Is listed for temperature in 1998 and is MDL study for the Naches River

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WRIA	Listing ID Categ	ory 98 L	ist? Waterbody Name Basis		Location In	formation			Parameter	Medium Remarks
38 part	8325	5 Y	COWICHE CREEK, S. Yakama Indian Nation data (F. submitted by Carroll Palmer on 2/28/96) show 21 excursio	VD04IL ns beyond the cri		N 17E 95.	03	Temperature	Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8328	5 Y	COWICHE CREEK, S. Yakama Indian Nation data (F. submitted by Carroll Palmer on 2/28/96) show 20 excursio	VD04IL ns beyond the cri	8.54 14 terion in1995		35	Temperature	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8329	5 Y	12/1/95). Scholz, 1999, shows a 7-day	terion sampled by Wenatchee National Forest above the common maximum daily temperature of 17.6 degrees C, very serior of 17.	. 0	91 and 1992	`	d by Bella Patheal o		Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8330	5 Y	GOLD CREEK Yakama Indian Nation Tribal	data (submitted by Carrol Palmer on 8/10/93) show multip		0.224 17 ond the crite			Temperature	Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8331	5 Y	measurements collected in 1 Okanogan and Wenatchee N measurements collected in 2	mean of maximum daily temperature of 26.7 degrees C, v. 998 at Little Naches River at 410 bridge. Jational Forest unpublished data (submitted by Sonny O'No. 001 and 2002 at station 'Little Naches river at Hwy 410' (R. d. the criterion sampled by Wenatchee National Forest at the	with a maximum deal on 17 January	aily temperat	excursion	.7 degrees C from co	on from	This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8332	5 Y	•	ER d the criterion sampled by Wenatchee National Forest at the criterion sampled by Bella Patheal of EPA on 12/1/95).		19.691 19 wnstream of t			Temperature nd North	Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformatio	า			Parameter	Medium Remarks
				Dasis							Remains
38	8333	5	Υ	LITTLE NACHES RIVER	JR85ZB	2.559	18N	14E	32	Temperature	Water
				Sullivan, et al. 1990, 16 excursions beyond the criterion during 8/88.;							Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
38	40755	5	N	LITTLE NACHES RIVER	JR85ZB	16.936	18N	13E	05	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 24.7 degrees C, with a measurements collected in 1998 at Little Naches River above Bear Creek.	maximum (daily temp	erature	of 29	degrees C from conti	inuous	WRIA changed from 99 to 38. 12/01/04 -kk
38	40757	5	N	LITTLE NACHES RIVER	JR85ZB	14.577	18N	13E	09	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 23.2 degrees C, with a measurements collected in 1998 at Little Naches River above SF Little Naches.	maximum (daily temp	erature	of 27.	8 degrees C from co	ntinuous	WRIA changed from 99 to 38. 12/01/04 -kk
38	40762	5	N	LITTLE NACHES RIVER	JR85ZB	4.749	18N	14E	30	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 20.3 degrees C, with a measurements collected in 1998 at Little Naches River above Quartz Creek.	maximum (daily temp	erature	of 20.	9 degrees C from co	ntinuous	WRIA changed from 99 to 38. 12/01/04 -kk
38	40763	5	N	LITTLE NACHES RIVER	JR85ZB	10.072	18N	13E	14	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.9 degrees C, with a measurements collected in 1998 at Little Naches River above Pileup and Sand Creek.	maximum (daily temp	erature	of 20.	8 degrees C from co	ntinuous	WRIA changed from 99 to 38. 12/01/04 -kk
38	40770	5	N	LITTLE NACHES RIVER, N.F.	VR66RV	0	19N	12E	36	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 17.5 degrees C, with a measurements collected in 1998 at North Fork Little Naches River.	maximum (daily temp	erature	of 18.	6 degrees C from co	ntinuous	WRIA changed from 99 to 46. 12/01/04 -kk WRIA changed from 46 to 38. 05/10/05 -kk
38	8334	5	Υ	LITTLE RATTLESNAKE CREEK	FD68UD	1.556	15N	15E	01	Temperature	Water
part				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc	ursions be	yond the	criterion	betwe	een1990 and 1992.		This waterbody was listed for temperature in 1998 and is
part											of a temperature TMDL study for the Naches River Watershed.
38	8335	5	Υ	MATHEW CREEK	LW85BJ	0.213	18N	13E	10	Temperature	Water
part				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 27 excursions beg	yond the cr	iterion (at	stations	s MAT	H1 and MATH10) be	etween 1993	This waterbody was listed for temperature in 1998 and is
part				and 1995.							of a temperature TMDL study for the Naches River Watershed.
38	40775	5	N	MATHEW CREEK	LW85BJ	0	18N	13E	09	Temperature	Water
				Scholz, 1999, shows a 7-day mean of maximum daily temperature of 16.8 degrees C, with a measurements collected in 1998 at Mathew Creek.	maximum (daily temp	erature	of 18	degrees C from conti	inuous	WRIA changed from 99 to 38. 12/03/04 -kk

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WRIA	Listing ID Cate	gory 9	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
38	8913	5	Y	MYRON LAKE Pelletier, et al. 1990. shows 6 excursions beyond the criterion near the bottom from samples	130UZL collected of	-	1 8E 1 88	0		Ammonia-N	Water
38	6735	5	Y	NACHES RIVER Hallock (2004), Dept. of Ecology ambient station 38A050 shows that 1 of 9 samples exceed the Hallock (2001) Dept. of Ecology Ambient Monitoring Station 38A050 (NACHES RIVER AT YA of 5 samples collected between 1993 - 2001. U.S.Geological Survey data from NWIS database station 12499000 (near North Yakima) show between 7/1/87 and 7/1/91.	KIMA ON	us HWY	97) sh		excursions beyond th		Water High pH
38 part	8338	5	Y	NILE CREEK, N.F. Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exceeds the submitted by Carrol Palmer on 8/10/93.	IN37QB ursions be	4.926 yond the		15E n betwe		Temperature	Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8339	5	Y	RATTLESNAKE CREEK 2 excursions beyond the criterion at USGS station 12489100 (above North Fork near Nile) be Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2000 and 2002 at station 'Rattlesnake Creek at FS Road 1502' (R	17 Januar	37 and 7/	1/91			Temperature n from	Water This waterbody was listed for temperature in 1998 and is of a temperature TMDL study for the Naches River Watershed.
38 part	8340	5	Y	RATTLESNAKE CREEK Numerous excursions beyond the criterion sampled by Wenatchee National Forest station (so Boundary between1991 and 1992.	MB08QY ubmitted by		_	15E of EPA c		Temperature	
38 part	8341	5	Y	REYNOLDS CREEK Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 6 excursions beyond 1994.	BI05EL and the crit	3.755 erion at tv		15E rby loca		Temperature R15E-S15) in	
38	39334	5	Υ	TIETON RIVER, S.F. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2000, 2001 and 2002 at station 'Upper Tieton River at FS Road 10		y 2003) s	how ex	13E cursions		Temperature n from	Water

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location In	formati	on			Parameter	Medium
				Basis							Remarks
39	8343	5	Υ	BIG CREEK	OY16AG	2.03	20N	14E	29	Temperature	e Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc	ursions bey	ond the	criterio	n betw	een1990 and 1992.		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8345	5	Υ	CABIN CREEK	CX24KB	0	20N	13E	09	Temperature	e Water
				Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wena Patheal of EPA on 12/1/95) .	atchee Nati	onal Fo	rest betv	ween 1	989 and 1994 (subn	nitted by Bella	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8347	5	Υ	CLE ELUM RIVER	XN92GU	12.635	20N	14E	10	Temperature	e Water
				26 excursions beyond the criterion at the mouth to Cle Elum Lake sampled by Wenatchee Na .	ational Fore	st in 19	93 (subr	nitted I	by Bella Patheal of E	EPA on 12/1/95)	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	39335	5	N	CLE ELUM RIVER	XN92GU	25.268	22N	14E	32	Temperature	e Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2000, 2001 and 2002 at station 'Cle Elum River abv French Cabin				cursio	ns beyond the criteri	on from	
39	8350	5	Υ	COOKE CREEK	SZ58XV	3.353	17N	19E	11	Dissolved of	xygen Water
				Joy, 1988. 2 excursions beyond the criterion at Cooke Creek RM 0.8 on 8/18/87 and 8/19/87.							During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the
to				Department of Ecology unpublished data from EMAP station WA798S (COOKE CREEK (WA made in 1994.	798S)) sho	ws excu	ırsions b	peyond	I the criterion from m	easurements	number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
to											be impaired. (Braley, ECY/WQP, 2003)
39	8349	5	Υ	COOKE CREEK	SZ58XV	24 1 44	5 19N	20E	20	Temperature	e Water
33	0343	3	•	Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc						remperature	TRS was 19N-20E-19 on 1998 listkk
											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformat	ion			Parameter	Medium Remarks
39	35358	5	N	COOKE CREEK Kittitas County Conservation District unpublished data (submitted by Greg Bohn (CRO) on 6 measurements collected in 1999, 2000 and 2002 at station CK-5 (Cooke Creek at South Feb.				19E ons bey		Temperature m	Water
39	8352	5	Y	COOPER RIVER 21 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1	WX84IT 994 (subm	0 itted by		14E heal of		Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	6924	5	N	CURRIER CREEK	YA42PC	11.72	2 19N	18E	26	Fecal Colifor	m Water
				U.S. Bureau of Reclamation station YAV328 (Currier Creek at North Branch Canal) shows a samples exceeds the percentile criterion from 8 samples collected during 1999.	geometric	mean o	f 1018 e	xceeds	the criterion and the	at 100% of the	
39	8355	5	Υ	GALE CREEK	RZ54RL	0	22N	13E	32	Temperature	Water
				31 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1	994 (subm	itted by	Bella Pat	heal of	EPA on 12/1/95) .		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8357	5	Υ	IRON CREEK	YW62RW	0.059	21N	17E	03	Temperature	Water
Water				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple exc	cursions be	yond the	e criterion	betwe	en1990 and 1992.		Errantly listed as Category 4B, returned to Category 5. This Iron Creek is not the Iron Creek associated with Yellowjacket Creek, Greenhorn Creek, Iron Creek, and Woods Creek
											Quality Restoration Plan (2004). 01/05/05 -kk
39	43128	5	N	KEECHELUS LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 08/20/2001 at location (N.E. End Near Inlet).	345ZAS ule criterion				composite samples o	Dioxin collected on	Tissue
39	43146	5	N	KEECHELUS LAKE	345ZAS	21N	11E 1	2		Total PCBs	Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 08/20/2001 at location (N.E. End Near Inlet).	ule criterion	in Mou	ntain Whi	tefish c	composite samples c		
39	8358	5	Υ	LOG CREEK	SP21BV	0	20N	13E	19	Temperature	Water
				8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest between	een 1989 a	ınd 1990) (submit	ted by I	Bella Patheal of EPA	on 12/1/95) .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple

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excursions from continuous monitoring.

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	า			Parameter	Medium Remarks
39	8359	5	N	LOOKOUT CREEK Mattews (1992) show a 7-day mean of daily maximums of 18.6 during 1990-1991.	HI56TE	0	19N	14E	21	Temperature	. Water
39	8360	5	Y	MANASTASH CREEK, S.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 18 excursions bey	WW44PW ond the cri	_		17E	17	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple
39	8361	5	Y	MANASTASH CREEK, S.F. Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wend of EPA on 12/1/95) .	WW44PW atchee Nat		18N est in 19			Temperature Bella Patheal	
39	8362	5	Y	MEADOW CREEK 12 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National Forest Boundary	CL02YY onal Forest	1.251 in 1994 (21N submitt		-	Temperature on 12/1/95) .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	7315	5	Y	NANEUM CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc	MA29CN ursions be		-	-		Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	6921	5	N	REECER CREEK U.S. Bureau of Reclamation station YAV330 (Reecer Creek at North Branch Canal) shows a samples exceeds the percentile criterion from 5 samples collected during 1999.	HE34CQ geometric	13.434 mean of		18E ceeds		Fecal Colifor 100% of the	rm Water
39	34864	5	N	SELAH DITCH Joy, 1990. show a geometric mean of 830 cfu/100mL from 2 samples collected in October 19	UNK000 988, and bo	-		000U eed the		Fecal Colifor	WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis							Remarks
39	34865	5	N	SELAH DITCH	UNK000	0	00U	0000	J 00	Temperature	Water
				Joy, 1990. show excursions beyond the criterion from samples collected in October 1988.							WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk
numerou	ıs										Data submitted by G. Bohn ECY/CRO 2003 shows
											excursions during TMDL-related study conducted August 01-November 02.
39	7319	5	Υ	SWAUK CREEK	EQ32WA	16.869	20N	17E	03	Temperature	Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc	cursions be	yond the	criterio	n betw	een 1990 and 1992.		TRS was 20N-17E-01 on 1998 listkk
											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	7320	5	Υ	SWAUK CREEK	EQ32WA	13.397	20N	17E	15	Temperature	Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple exc	ursions bey	ond the o	criterion	betwe	een1990 and 1992.		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	39337	5	N	SWAUK CREEK	EQ32WA	21.768	21N	17E	22	Temperature	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2000, 2001 and 2002 at station 'Swauk Creek at Mineral Springs'			show ex	cursio	ns beyond the criterio	n from	
39	7321	5	Υ	TANEUM CREEK	WF36AI	0.577	18N	17E	04	Temperature	Water
				31 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National	onal Forest	in 1994	(submit	ted by	Bella Patheal of EPA	on 12/1/95) .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	39338	5	N	TANEUM CREEK	WF36AI	12.945	19N	16E	28	Temperature	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2000, 2001 and 2002 at station 'Taneum Creek at Taneum CG' (language).			show ex	cursio	ns beyond the criterio	n from	

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
39	7322	5	Y	TANEUM CREEK, S.F. 8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 19	WJ69FI 94 (submitt	1.047 ed by Be	19N lla Path	_		Temperature	TRS was 19N-15E-26 on 1998 listkk
											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8365	5	Υ	THORP CREEK	WA85GA	3.897	22N	13E	25	Temperature	Water
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 5 excursions beyon	ond the crite	erion in 1	995.				Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8368	5	Υ	WILLIAMS CREEK	BI77WY	1.621	20N	17E	02	Temperature	Water
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple exc	cursions be	yond the	criterio	n betwe	een1990 and 1992.		Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	10047	5	N	WILSON CREEK	PY59BF	1.493	17N	19E	30	Fecal Colifor	m Water
				Joy (2002). Station YAK-48 (WILSON CR (WILSON)) shows the geometric mean of 161 excepercentile criterion from 10 samples collected during 1999.	eeds the cr	iterion ar	nd that 5	0% of	the samples exceed	s the	
39	8346	5	Υ	WILSON CREEK	PY59BF	1.493	17N	19E	30	Temperature	Water
				Joy (2002) station 17-WIL (WILSON CR AT CANYON RD) shows 4 excursions beyond the c 99/07/12, 99/07/26, 99/07/26, 99/08/10,	criterion me	asured o	n these	dates:	99/06/15, 99/06/15,	99/07/12,	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39C070 (Wilson Cr @ Thrall) sl between 1993 - 2001	hows 0 exc	ursions b	eyond t	ne crite	erion out of 9 sample	s collected	excursions from continuous monitoring.
				Johnson (2000) station 17-WIL (WILSON CR AT CANYON RD) shows 0 excursions beyond	the criterio	n out of 6	sample	es colle	ected between 03/99	9 - 01/00.	
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 4 excursions bey	ond the crit	erion in 1	995.				
39	8369	5	Υ	WILSON CREEK	PY59BF	1.493	17N	19E	30	Temperature	Water
		-		Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 7 excursions bey					-		Continuous temperature measurements were taken, but
				Joy (2002) station YAK-48 (WILSON CR (WILSON)) shows 4 excursions beyond the criterio	on measure	d on thes	se dates	: 99/06	6/14, 99/07/28, 99/08	3/09, 99/08/24,	results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.

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WRIA	Listing ID Cate	gory 9	98 List?	Waterbody Name Basis	Location In	formatio	า			Parameter	Remarks	Medium
39	20182	5	N	YAKIMA RIVER	EB21AR	229.12	16N	19	9E 20	Chlordane		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule c 1996 at station 49-0 (River Mile 140.4) sample #96374730.	riterion from	Rainbo	v Trout	t con	mposite of 7 fillet with	skin collected in		
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule c 1996 at station 49-0 (River Mile 140.4) sample #96374731.	riterion from	Rainbo	v Trout	t con	mposite of 7 fillet with	skin collected in		
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule c 1996 at station 49-0 (River Mile 140.4) sample #96374732.	riterion from	Rainbo	v Trout	t con	mposite of 7 fillet with	skin collected in		
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.	criterion fro	m Larges	cale S	Sucke	er composite of 5 fillet	with skin		
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797.	criterion froi	m Larges	cale S	Sucke	er composite of 5 fillet	with skin		
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798.	criterion fro	m Larges	cale S	Sucke	er composite of 5 fillet	with skin		
39	34889	5	N	YAKIMA RIVER	EB21AR	229.12 7	16N	19	9E 20	Dioxin		Tissue
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule crit in 1996 at station 49- sample #96374731.	erion from a	Rainbo	v Trout	t cor	emposite of 7 fillet with	skin collected		
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criticollected in 1996 at station 49- sample #96374796.	erion from a	Largeso	ale Su	ıcker	r composite of 5 fillet	with skin		
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criticollected in 1996 at station 49- sample #96374798.	erion from a	Largeso	ale Su	ıcker	r composite of 5 fillet	with skin		
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criticollected in 1996 at station 49- sample #96374797.	erion from a	Largeso	ale Su	ıcker	r composite of 5 fillet	with skin		
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule critic in 1996 at station 49- sample #96374730.	erion from a	Rainbov	v Trout	t cor	emposite of 7 fillet with	skin collected		
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule critic in 1996 at station 49- sample #96374732.	erion from a	Rainbo	v Trout	t cor	emposite of 7 fillet with	skin collected		

Hallock (2003), Dept. of Ecology ambient station 39A090 shows a total of 5 samples in years 2002 and 2003 exceeded the criterion.

39 11225

5 Y

YAKIMA RIVER

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A090 (YAKIMA RIVER NEAR CLE ELUM) shows 8 excursions beyond the criterion out of 41 samples collected between 1993 - 2001 measured on these dates: 00/08/14, 00/09/04, 95/07/09, 95/08/06, 95/09/04, 96/07/07, 96/08/04, 97/09/15.

EB21AR 310.31 20N 14E 36

Dissolved oxygen

Water

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WR	A Listing	ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n				Parameter	Medium Remarks
3	112	18	5	N	YAKIMA RIVER	EB21AR	198.09	141	l 19E	30		рН	Water
					Hallock (2004), Dept. of Ecology ambient station 39A050 shows that 2 of 8 samples exceed to	he criterior							High pH
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A050 (YAKIMA R @ HARRIS samples collected between 1993 - 2001.	ON BRIDG	∃) shows	4 ex	cursions	s beyond	d the criterion	out of 11	
3	37	27	5	Υ	YAKIMA RIVER	EB21AR	310.31	201	N 14E	36		Temperature	Water
					Dept. of Ecology unpublished data from core ambient monitoring station 39A090 (Yakima R. 20.9 for mid-week 14 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Statexcursions beyond the criterion out of 41 samples collected between 1993 - 2001								
					Joy (2002) station 39A090 (Yakima R. near Cle Elum) shows 0 excursions beyond the criter	on out of 1	7 sample	es col	lected b	oetween	04/99 - 11/	/99.	
3	83	70	5	Υ	YAKIMA RIVER	EB21AR	330.41 1	201	l 13E	10		Temperature	Water
					30 excursions beyond the criterion sampled at the mouth to Lake Easton by Wenatchee National States (1997).	onal Forest	-	(subm	nitted by	y Bella P	atheal of EP	A on 12/1/95) .	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
3	202	19	5	N	YAKIMA RIVER	EB21AR	229.12 7	161	l 19E	20		Total PCBs	Tissue
3	202	19	5	N	YAKIMA RIVER EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.		7				e of 5 fillet wi		Tissue
3	202	19	5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of	riterion fror	7 n Largeso	cale S	Sucker o	composit		th skin	Tissue
3	202	19	5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the Consultant (2000) show an excursion beyond the Consultant (2000) show an excursion beyond the Consultant (2000) show an excursion (2000) show an excursion (2000) show an excursion (2000)	riterion fror	7 n Largeson n Largeso	cale S	Sucker o	composit	e of 5 fillet wi	th skin th skin	Tissue
3	202	19	5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion show an excursion show an excursion	riterion fror riterion fror riterion fror	7 Largeson Largeson Largeson	cale S cale S	Sucker o Sucker o	composit	e of 5 fillet wi	th skin th skin th skin	Tissue
3	202	19	5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the National Toxic Rule of Consultants (2000) show an excursion beyond the Nation	riterion fror riterion fror riterion fror	7 n Largeson n Largeson n Rainbor	cale S cale S cale S w Tro	Gucker o Gucker o Gucker o	composite composite composite of	e of 5 fillet wi e of 5 fillet wi 7 fillet with sl	th skin th skin th skin kin collected in	Tissue
3	202	19	5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374730. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374730.	riterion fror riterion fror riterion fror riterion fror	7 n Largeson n Largeson n Rainbor	cale S cale S cale S w Tro	Sucker of Sucker	composite composite of consite of	e of 5 fillet wie of 5 fillet wi 7 fillet with sl 7 fillet with sl	th skin th skin th skin kin collected in	Tissue
3			5	N	EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374730. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374731. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374731.	riterion fror riterion fror riterion fror riterion fror	7 n Largeson n Largeson n Rainbor n Rainbor n Rainbor	cale S cale S cale S ww Tro	Sucker of Sucker	composite composite of posite of pos	e of 5 fillet wie of 5 fillet wi 7 fillet with sl 7 fillet with sl	th skin th skin th skin kin collected in	
					EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374730. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374731. EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule of 1996 at station 49-0 (River Mile 140.4) sample #96374732.	riterion from riterion from riterion from riterion from riterion from riterion from	7 n Largeson n Largeson n Rainbor n Rainbor n Rainbor n Rainbor	cale S cale S cale S ww Tro ww Tro	Sucker of Sucker of ut comput	composite composite of consite of	e of 5 fillet wie of 5 fillet wi 7 fillet with sl 7 fillet with sl	th skin th skin th skin kin collected in kin collected in	

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WRIA	Listing ID Categ	ory (98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
40	40948	5	N	COLUMBIA RIVER	NN57SG	719.34	21N	22E	05	Temperatur	re Water
and				Chelan County PUD station RIS (Rock Island Forebay) shows 41 excursions beyond the crite	erion out of	163 days	durin	g 2001			EPA has the lead in a temperature TMDL for the Columbia
											Snakes Rivers that is underway.
41	40945	5	N	COLUMBIA RIVER	NN57SG	657.65	16N	23E	20	Temperatur	re Water
				Grant County PUD station WANW (Wanapum Tailrace) shows 57 excursions beyond the crit	erion in 200	3 00, 62 exc	cursior	ns in 20	01, 30 excursio	ons in 2002, and 86	EPA has the lead in a temperature TMDL for the Columbia
and				excursions in 2003.							Snakes Rivers that is underway.
41	9638	5	N	CRAB CREEK	FU07MU	22.31	19N	28E	11	рН	Water
				Carroll et al. (2000) station CC0 (CRAB CREEK AT MOUTH TO MOSES LAKE) shows 3 ex 03/01 - 09/01.	xcursions b	eyond the	e crite	ion out	of 9 samples of	collected between	High pH
				U.S. Bureau of Reclamation station CBP061 (PARKERHORN AT 7NE CO RD) shows 6 exc 1993-1999	ursions be	yond the	criterio	n out c	f 21 samples co	ollected between	
41	9639	5	N	CRAB CREEK	FU07MU	25.808	20N	28E	35	рН	Water
				Carroll et al. (2000) station CC1 (CRAB CREEK NEAR MOSES LAKE (USGS GAGE)) show between 03/01 - 09/01.	ws 3 excurs	sions bey	ond th	e criter	on out of 7 sar	mples collected	High pH
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A110 (CRAB CREEK NEAR Manaples collected between 1993 - 2001	MOSES LA	KE) show	vs 2 ex	cursio	ns beyond the c	criterion out of 17	
41	9640	5	N	CRAB CREEK	FU07MU	31.816	20N	28E	15	рН	Water
				Carroll et al. (2000) station CC2 (CRAB CREEK AT STRATFORD ROAD) shows 4 excursion 09/01.	ons beyond	the criter	rion ou	t of 6	samples collecte	ed between 03/01	- High pH
41	9642	5	N	CRAB CREEK	FU07MU	45.045	21N	28E	18	рН	Water
				Carroll et al. (2000) station CC4 (CRAB CREEK AT ROAD 16) shows 3 excursions beyond	the criterio	n out of 7	samp	oles col	lected between	•	High pH
41	9644	5	Υ	CRAB CREEK	FU07MU	22.31	19N	28E	11	Temperatur	re Water
				Carroll et al. (2000) station CC0 (CRAB CREEK AT MOUTH TO MOSES LAKE) shows 1 ex	cursions be	eyond the	criteri	on mea	asured on these	e dates: 01/07/31,	

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U.S. Bureau of Reclamation station CBP061 (PARKERHORN AT 7NE CO RD) shows 6 excursions beyond the criterion measured on these dates: 93/07/26, 95/05/23,

WRIA	Listing ID Catego	ry 98	List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
41	8385 5	5 N		CRAB CREEK LATERAL U.S. Bureau of Reclamation station CBP030 (CRAB CR LAT AT CRAB CR WW) shows 5 ex 1993-1999.		0.754 eyond the	16N criterio	28E on out o		pH ed between		Water
				1 excursion beyond the criterion at USGS station 12472380 (at Royal Lake near Othello) on	3/31/93.							
41	16143 5	5 1	1	DE55 WASTEWAY	RX99AF	0.209	18N	30E	35	pН		Water
				U.S. Bureau of Reclamation station EID009 (DE 55 AND DE 49 BELOW CONFLUENCE) sh between 1993-1999	nows 3 exc	ırsions b	eyond t	he crite	erion out of 4 samples	s collected	High pH	
41	16144 5	5 1	N	EL 63.8 WASTEWAY	ON81WC	12.775	16N	29E	15	рН		Water
				U.S. Bureau of Reclamation station EID011 (EL 63.8 WASTEWAY BLW CONF EL63.8WW2 between 1993-1999	?) shows 3	excursion	s beyo	nd the	criterion out of 4 sam	ples collected	High pH	
41	43265 5	5 1	N	FRENCHMAN HILLS LAKE	695YQF	17N :	26E 0	8		Dieldrin		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru 10/20/1999 at location (Frenchman Hills Lake).	ule criterion	in Largei	nouth E	Bass co	omposite samples col	lected on		
41	16148 5	5 1	١	FRENCHMAN HILLS WASTEWAY	AR96YO	13.496	17N	27E	09	рН		Water
				U.S. Bureau of Reclamation station CBP062 (FRENCHMAN HILLS WW AT GAGING STA) between 1993-1999;	shows 4 ex	cursions	beyond	I the cr	iterion out of 22 samp	oles collected	High pH	
				U.S.Geological Survey data from NWIS database station 12471090 (on SE C Road near Mo collected between1991 and 1995.	ses Lake) s	hows 3 e	xcursio	ns bey	ond the criterion out	of 39 samples		
41	8389 5	5 Y	1	FRENCHMAN HILLS WASTEWAY	AR96YO	13.496	17N	27E	09	Temperature	•	Water
				9 excursions beyond the criterion at USGS station 12471090 (on SE C Road near Moses La	ke) during	992, 199	3, and	1994.		·		
				U.S. Bureau of Reclamation station CBP062 (FRENCHMAN HILLS WW AT GAGING STA) 93/06/02, 93/07/14,	shows 7 ex	cursions	beyond	I the cr	iterion measured on t	these dates:		
41	42533 5	5 1	١	LIND COULEE	WZ45YS	10.448	18N	29E	35	Fecal Colifo	rm	Water
				Hallock (2004), Dept. of Ecology ambient station 41J070 shows 2 of 9 samples (22.2%) in year	ear 2003 ex	ceeded t	ne perc	entile o	criterion.			

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location Ir	nformatio	n				Parameter	Medium
				Basis								Remarks
41	6737	5	Υ	LIND COULEE	WZ45YS	10.448	18N	29E	35		рН	Water
				Hallock (2004), Dept. of Ecology ambient station 41J070 shows that 3 of 12 samples exceed	the criterio	n.						
				U.S.Geological Survey data from NWIS database station 12471400 (at SR 17 near Warden) collected between 1991 and 2001.	shows 9 ex	cursions	beyond	d the c	criterio	on out of 178 sam	nples	
				U.S. Bureau of Reclamation station CBP011 (LIND COULEE AT RT 17XING) shows 4 excu 1999.	rsions beyo	nd the cr	iterion o	out of 2	20 sar	mples collected b	oetween 1993	-
41	8392	5	Υ	LIND COULEE	WZ45YS	10.448	18N	29E	35		Temperature	e Water
				5 excursions beyond the criterion at USGS station 12471400 (at SR 17 near Warden) during	1992, 1993	3 and 19	94.					
				U.S. Bureau of Reclamation station CBP011 (LIND COULEE AT RT 17XING) shows 4 excu 96/07/09,	ırsions beyo	and the c	riterion	measu	ured o	on these dates: 9	3/07/26,	
41	8955	5	Υ	LOWER CRAB CREEK	WR93CG	0	15N	23E	03		4,4'-DDE	Tissue
				Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue (Mountain WI	nitefish fillet)) samples	s collect	ted on	n 9/15/	/92 near Hwy 243	3.	The sample medium was incorrectly listed as "water" in the 1998 303(d) list.
41	8374	5	N	LOWER CRAB CREEK	WR93CG	8.303	16N	24E	33		рН	Water
				Hallock (2004), Dept. of Ecology ambient station 41A070 shows that 5 of 30 samples exceed	d the criteric	n.						Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 11248kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A070 (CRAB CREEK NEAR samples collected between 1993 - 2001.	BEVERLY)	shows 13	3 excurs	sions b	beyon	d the criterion ou	ıt of 49	Consolidation with Listing ID 11246kk
				1 excursion beyond the criterion at USBR station CBP072 (at Crab Creek Road) on 5/20/92.								
41	16147	5	N	LOWER CRAB CREEK	WR93CG	29.231	16N	26E	28		рH	Water
				U.S. Bureau of Reclamation station CBP036 (LOWER CRAB CK ABV CONF RED ROCK C collected between 1993-1999	OULEE) sh	iows 4 ex	cursion	ns beyo	ond th	ne criterion out of	f 4 samples	High pH
41	16154	5	N	LOWER CRAB CREEK	WR93CG	0.764	15N	23E	03		pН	Water
				U.S. Bureau of Reclamation station CBP072 (LOWER CRAB CR AT CRAB CR RD) shows between 1993-1999	7 excursion	s beyond	d the cri	terion	out of	f 20 samples coll	ected	High pH
41	16155	5	N	LOWER CRAB CREEK	WR93CG	57.426	16N	28E	09		pН	Water
				U.S. Bureau of Reclamation station CBP079 (LOWER CRAB CR AT MCMANNAN RD) sho	ws 9 excurs	ions bey	ond the	criteri	ion ou	ut of 21 samples	collected	High pH

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between 1993-1999

WRIA	Listing ID Categor	ory 98	8 List?	Waterbody Name Basis	Location I	nformation	l				Parameter	Medium Remarks
41	8378	5	Υ	LOWER CRAB CREEK 4 excursions beyond the criterion at USGS station 12472600 (mouth near Beverly) during 19	WR93CG 92, 1993, a	-	15N	23E	03		Temperature	e Water
41	8379	5	N	LOWER CRAB CREEK Dept. of Ecology unpublished data from core ambient monitoring station 41A070 (Crab Cr. no mid-week 13 August 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41A070 (CRAB CREEK NEAR Ecollected between 1993 - 2001. Davis, 1993, 1 excursion beyond the criterion at 1st bridge on Crab Creek Road on 5/30/92.) shows a	7-day		of daily ma			Combined with information from Listing ID 3728 (which was Category 5). Changed this listing to Category 5kk
41	8953	5	Y	LOWER CRAB CREEK Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue (Mountain Wh	WR93CG	-		23E ed on 9		ear Hwy 24	Total PCBs 3.	Tissue
41	42434	5	N	MOSES LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet	995AYH samples co	47119B :		47.10 5 02.	5 119	9.325	2,3,7,8-TCDI	D Tissue
41	42171	5	N	MOSES LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Largemouth bass a	995AYH and Rainbo			47.10 5 oles col		9.325 /23/2002.	Total PCBs	Tissue
41	42782	5	N	MOSES LAKE Department of Ecology TMDL Assessment, station ML4 (SOUTH END OF PARKER HORN) 5/30/01; 7/2/01; 8/1/01; 8/29/01; 9/26/01) exceeded the Phosphorus Action Value of 50ug/L of Department of Ecology Lake Database, station 1 shows in 2000, 1 of 4 epilimnion samples of 7/19/00; 8/30/00; 9/27/00) exceeded the Phosphorus Action Value established by Carroll, et. Department of Ecology Lake Database, station 1 shows in 1998, 3 of 4 epilimnion samples of 7/15/98; 8/12/98; 9/16/98) exceeded the Phosphorus Action Value of 50ug/L established by 0.	established ollected by al., 2000. (ollected by	001, 0 of 5 by Carroll Departme Ecology P	epilim , et. al. nt of Edublicat	, 2000. cology ion No. cology	amples co (sampling . 00-03-03	g dates: 6/2 36). g dates: 6/1	28/00; 7/98;	
41	11232	5	N	MOSES LAKE OUTLET Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41H050 (MOSES LAKE AT SOU samples collected between 1993 - 2001	833WBK JTH OUTLE	_	-	47.08 5 ursions		9.335 the criterior	pH n out of 3	Water High pH

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WRIA	Listing ID Category	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
			Basis							Remarks	
41	16151 5	N	PE 16.4 M12 WASTEWAY	ВЈ83СР	0	15N	28E	07	рН		Water
			U.S. Bureau of Reclamation station EID017 (PE 16.4M12 WASTEWAY AT FU 223 BLK 49) between 1993-1999	shows 4 e	xcursions	beyond	d the cri	terion out of 4 samp	oles collected	High pH	
41	8945 5	Υ	POTHOLES RESERVOIR	833WBK	46119	J1J7	46.99	5 119.175	Dieldrin		Tissue
			Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue (Largemouth Bass) of Spillway) on 6/8/92.	collected fro	m statior	1 35855	3 (300m	n off of mouth of Lin	d Coulee		
41	8946 5	Υ	POTHOLES RESERVOIR	833WBK	46119	J3I4	46.98	5 119.345	Dieldrin		Tissue
			Serdar, et al. 1994. excursions beyond the criterion in edible fish tissue (Lake Whitefish) coll-Wasteway) on 6/8/92.	ected from	station 3	58551 (4	400m of	ff of mouth of Frenc	hman Hills		
41	16157 5	N	RBC WASTEWAY	PE38ZZ	0	16N	23E	35	рН		Water
			U.S. Bureau of Reclamation station CBP109 (RBC WASTEWAY AT LOWER CRAB CK RD samples collected between 1993-1999	S35 T16N	R23E) sł	nows 12	excurs	ions beyond the cri	terion out of 27	' High pH	
41	16145 5	N	RCD WASTEWAY	LK87EA	2.105	18N	29E	31	рН		Water
			U.S. Bureau of Reclamation station CBP008 (RCD WW AT OSULLIVAN RD XING) shows 4 1993-1999	4 excursion	s beyond	the crit	erion ou	ut of 21 samples col	lected between	n High pH	
41	17230 5	N	REDROCK LAKE	313FEZ	16N	26E 1	7		4,4'-DDE		Tissue
			Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fille REDRLRC (REDROCK LAKE SOUTHEAST OF ROYAL CITY).	ets of Micro	oterus sa	Imoides	collect	ed on 9/13/1995 at	station		
41	17231 5	N	REDROCK LAKE	313FEZ	16N	26E 1	7		Dieldrin		Tissue
			Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fille REDRLRC (REDROCK LAKE SOUTHEAST OF ROYAL CITY).	ets of Micro	pterus sa	almoides	s collect	ted on 9/13/1995 at	station		
41	11245 5	N	ROCKY COULEE WASTEWAY	SF91XC	0.948	19N	28E	01	рН		Water
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41G070 (ROCKY COULEE WA samples collected between 1993 - 2001	STEWAY (® K NE)	shows (3 excurs	sions beyond the cri	iterion out of 6	High pH	
			U.S. Bureau of Reclamation station EID003 (ROCKY COULEE WASTEWAY AT BROADWA samples collected between 1993-1999	Y EXTEND	DED) sho	ws 4 ex	cursion	s beyond the criteri	ion out of 4		
41	16150 5	N	ROCKY COULEE WASTEWAY	LK87EA	13.072	19N	28E	36	рН		Water
			U.S. Bureau of Reclamation station EID005 (ROCKY COULEE DRAIN AT HWY 17) shows	4 excursion	ns beyond	the cri	terion o	ut of 4 samples coll	ected between	High pH	

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
41	8395	5	Y	ROCKY FORD CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41D070 (ROCKY FORD CREE samples collected between 1993 - 2001 measured on these dates: 00/11/12, 00/12/10,	RC52FG 23.836 20N 27E 05 K AT HWY 17) shows 2 excursions beyond the criterion	Dissolved o on out of 6	kygen Water
				Carroll et al. (2000) station RF1A (ROCKY FORD CREEK @ HWY17) shows 1 excursions by	beyond the criterion measured on this date: 01/09/24.		
				2 excursions at USGS station 12470600 (at SR 17 near Ephrata) on 11/18/91 and 3/2/92.			
				U.S. Bureau of Reclamation station CBP060 (ROCKY FORD CR AT RT 17) shows 5 excurs 93/06/02, 98/02/23, 98/07/01, 98/10/28.	sions beyond the criterion measured on these dates: 93	3/01/25,	
				Cusimano (1998) station ROC6 (ROCKY FORD CR AT OLD HWY 17 BRIDGE) shows 2 ex 97/11/04.	cursions beyond the criterion measured on these dates	s: 97/08/20,	
41	15077	5	N	ROCKY FORD CREEK	RC52FG 33.182 21N 27E 16	Dissolved of	kygen Water
				Carroll et al. (2000) station RF2 (ROCKY FORD CREEK AT OLD USGS GAGE) shows 5 ex 01/06/26, 01/07/31, 01/08/28, 01/09/24,	ccursions beyond the criterion measured on these date	s: 01/05/29,	According to Carroll (ECY/EAP 2003), a review of monitoring studies for dissolved oxygen exceedances indicate that this
				Carroll et al. (2000) station RF2A (ROCKY FORD CREEK BELOW TROUTLODGE) shows	1 excursions beyond the criterion measured on these c	dates: 01/09/24,	water is impaired.
				Cusimano (1998) station FSH2 (ROCKY FORD CR B/L TRTLG I FISH HTCHRY) shows 2 e 97/11/04,	excursions beyond the criterion measured on these date	es: 97/08/20,	
				Cusimano (1998) station ROC3 (ROCKY FORD CR A/B TRTLG II FISH HTCHRY) shows 2 97/11/04,	excursions beyond the criterion measured on these da	ates: 97/08/20,	
41	15092	5	N	ROCKY FORD CREEK	RC52FG 21.961 20N 27E 08	рН	Water
				Cusimano (1998) station ROC8 (ROCKY FORD CR AT BARRIER DAM) shows 1 excursion 06/99.	s beyond the criterion out of 2 samples collected between	een 08/97 -	High pH
				Cusimano (1998) station ROC7 (ROCKY FORD CR A/B DETENTION POND) shows 1 excu 06/99.	ursions beyond the criterion out of 2 samples collected	between 08/97	-

Carroll et al. (2000) station RF0 (ROCKY FORD CREEK BELOW ABATEMENT DAM) shows 3 excursions beyond the criterion out of 10 samples collected between 03/01 - 09/01.

Carroll et al. (2000) station RF1 (ROCKY FORD CREEK ABOVE ABATEMENT POND) shows 0 excursions beyond the criterion out of 5 samples collected

between 03/01 - 09/01.

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location I	nformat	ion				Parameter	Remarks	Medium
41	8397	5	Y	ROCKY FORD CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 41D070 (ROCKY FORD CREE samples collected between 1993-2001 measured on these dates: 01/05/13, 01/06/10. Carroll et al. (2000) station RF1A (ROCKY FORD CREEK @ HWY17) shows 1 excursions because (1998) station ROC6 (ROCKY FORD CR AT OLD HWY 17 BRIDGE) shows 1 excursions beyond the criterion at USGS 12470600 (at SR 17 near Ephrata) on 7/13/92 at U.S. Bureau of Reclamation station CBP060 (ROCKY FORD CR AT RT 17) shows 8 excursions	beyond the ccursions be nd 6/29/94.	17) sho	ws 2 ex measu e criteri	cursion red on a	ns beyon this da	te: 01/09/24. on this date: 9	7/08/20.	re	Water
41	17217	5	N	POYAL LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill ROYALLO (ROYAL LAKE NORTHWEST OF OTHELLO).	000BAA lets of Micro		XXU dolomie		cted or	n 9/13/1995 at	4,4'-DDE station		Tissue
41	17218	5	N	ROYAL LAKE Davis et al. 1998. show the National Toxic Rule criterion was exceeded a composite of 5 fill ROYALLO (ROYAL LAKE NORTHWEST OF OTHELLO).	000BAA lets of Micro		XXU dolomie		cted or	n 9/13/1995 at	Dieldrin station		Tissue
41	6738	5	N	SAND HOLLOW CREEK U.S.Geological Survey data from NWIS database station 12464606 (near Vantage) shows between 1992 and 1997.	DI770E 8 excursion		17N d the cr			13 samples co	pH llected	High pH	Water
41	8398	5	Y	SAND HOLLOW CREEK 7 excursions beyond the criterion at USGS station 12464606 (near Vantage) between 1992,	DI770E , 1993 and		17N	23E	27		Temperatur	re	Water
41	16156	5	N	UNNAMED CREEK U.S. Bureau of Reclamation station CBP080 (DCC1 AT RED ROCK COULEE RD) shows 1 1993-1999.	MB83BM 1 excursion	-		l 26E iterion		20 samples co	pH llected betwee	n High pH	Water
41	16153	5	N	W35.9B WASTEWAY U.S. Bureau of Reclamation station CBP086 (W35.9B WW AT END) shows 6 excursions be	DA61BM eyond the c					lected betweer	pH n 1993-1999	High pH	Water
42	42440	5	N	BANKS LAKE Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Lake Whitefish an	296QRB ad Rainbow	4711 9		47.9 les colle		119.045 0/16/2003.	2,3,7,8-TCD	D	Tissue

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WRIA	Listing ID Car	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	n				Parameter	Remarks	Medium
42	42269	5	N	BANKS LAKE Seiders, 2004. shows fillet samples of Lake Whitefish, Walleye, and Rainbow trout collected	296QRB in 2003 exc	47119. ceeded th		47.93 onal To:			Total PCBs Total PCBs.		Tissue
42	11253	5	N	COLUMBIA RIVER	NN57SG	945.56	29N	30E	36		Temperature	•	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 53A070 (COLUMBIA RIVER AT samples collected between 1993 - 2001 measured on these dates: 00/09/13, 93/09/15, 94/10									
42	9661	5	N	LENORE LAKE OUTLET CHANNEL	CJ61YR	19.626	23N	26E	35		pН		Water
				Pickett (1999) station SunLk-16 (Lenore Lake outlet channel (LECREEK)) shows 4 excursio 10/96.	ns beyond	the criter	on out	of 4 sa	amples	s collected betw	veen 05/96 -		
43	40491	5	N	COAL CREEK	QR50RC	2.208	21N	33E	01		рН		Water
				Unpublished data from the Lincoln Conservation District station CO12 (Coal Creek at Laney measurements collected in 2001-2002.	Brothers R	d.) show	19 excı	ursions	beyor	nd the criterion f	from 20		
43	40507	5	N	CRAB CREEK	FU07MU	124.87	21N	33E	09		Fecal Colifor	·m	Water
				Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 2 samples collected in 2001 and 2002.	:8) show ex	cursions	beyond	I the ge	eometi	ric mean criterio	on from		
43	6740	5	Υ	CRAB CREEK	FU07MU		21N	35E	23		рН		Water
				Hallock (2004), Dept. of Ecology ambient station 43A100 shows that 1 of 1 sample exceeds	the criterior	2 1.						High pH	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 43A100 (Crab Ck @ Marcelus R collected between 1993 - 2001.	load) show	s 0 excur	sions b	eyond t	the cri	terion out of 5 s	samples		
				U.S.Geological Survey data from NWIS database station 12464770 (at Marcellus Road near samples collected between 1992 and 2001.	Ritzville) s	hows 26	excursi	ons bey	yond t	he criterion out	of 172		
43	11265	5	N	CRAB CREEK	FU07MU		22N	32E	31		рН		Water
				Hallock (2004), Dept. of Ecology ambient station 43A070 shows that of 2 samples none exce	ed the crite	3 erion.						High pH	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 43A070 (Crab Cr @ Irby) shows between 1993 - 2001.	s 6 excursio	ons beyo	nd the c	criterion	n out c	of 6 samples col	llected		

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U.S. Bureau of Reclamation station CBP111 (CRAB CREEK AT IRBY CROSSING) shows 2 excursions beyond the criterion out of 5 samples collected between

1993-1999.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
43	40492	5	N	CRAB CREEK	FU07MU	124.87	21N	33E	09	pН		Water
				Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 2 collected in 2001-2002.	8) show 16	excursio	ns bey	ond the	criterion from 37 me	easurements		
43	40493	5	N	CRAB CREEK	FU07MU	92.765	22N	30E	12	рН		Water
				Unpublished data from the Lincoln Conservation District station CC16 (Crab Creek at Marlin, measurements collected in 2001-2002.	WA) show	18 excur	sions b	beyond t	the criterion from 26			
43	40447	5	N	CRAB CREEK	FU07MU	124.87	21N	33E	09	Temperature	•	Water
				Unpublished data from the Lincoln Conservation District station CC13 (Crab Creek at Hwy. 2 collected in 2000, 2001 and 2002.	8) show ex	cursions	beyond	d the cri	terion from measure	ments		
43	15921	5	N	CRAB CREEK	FU07MU	107.61 3	22N	32E	31	Turbidity		Water
				Hallock, 2002. shows 5 excursions beyond the criterion out of 12 samples collected between station 43A150 (Crab Ck @ Bluestem Road) and the downstream station 43A070 (Crab Cr		•	ved by	the diffe	erence between the	upstream		
43	40460	5	N	CRAB CREEK, S.F.	ZZ96LC	0	21N	35E	23	Dissolved of	cygen	Water
				Unpublished data from the Lincoln Conservation District station SF11 (South Fork Crab Cree from measurements collected in 2000, 2001 and 2002.	k West of I	Rocky Fo	rd Rd.)	show e	excursions beyond th	e criterion		
43	8957	5	Υ	MEDICAL, WEST LAKE	630CWH	24N 4	40E -	13		Ammonia-N		Water
				Willms and Pelletier, 1992. 20 samples collected in 1990 show ammonia concentrations were	e 'typically	about 2.5	times	the chr	onic criterion.'			
43	6723	5	Υ	MEDICAL, WEST LAKE	630CWH	24N 4	40E -	13		Fecal Colifo	rm	Water
				Willms and Pelletier, 1992. samples taken on 8/28/1990 (13,000 cfu/100 mL) and 10/30/1990) (930 cfu/1	00 mL) a	t statio	n C bot	h exceed the criterio	n.		ole in hardcopy format. The water s Category 5 based on the 1998
43	42381	5	N	WEST MEDICAL LAKE	630CWH	24N 4	40E -	13		2,3,7,8-TCDI)	Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet	samples c	ollected 1	0/23/20	002.				
43	42173	5	N	WEST MEDICAL LAKE	630CWH	24N 4	40E -	13		Total PCBs		Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet	samples c	ollected 1	0/23/20	002.				
44	40949	5	N	COLUMBIA RIVER	NN57SG	744.23	23N	20E	22	Temperature)	Water
				Chelan County PUD station RRDW (Rocky Reach Tailrace) shows 33 excursions beyond the	e criterion c	9 ut of 148	days c	during 20	000.		EPA has the lead in	n a temperature TMDL for the Columbi

Snakes Rivers that is underway.

and

WRIA	Listing ID C	ategory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Remarks	Medium
44	40950	5	N	COLUMBIA RIVER	NN57SG	751.69	24N	20E	35	Temperatur	e	Water
and				Chelan County PUD station RRH (Rocky Reach Forebay) shows 38 excursions beyond the	criterion out	of 248 of	days dur	ring 20	00.		EPA has the lead in	a temperature TMDL for the Columbia
۵۵											Snakes Rivers that	t is underway.
45	34833	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDD		Water
				Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from	m samples	collected	d in 2000	0.				
45	34827	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDE		Water
				Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from	m samples	collected	d in 2000	0.				
45	34830	5	N	BRENDER CREEK	FB41UG	0	23N	19E	05	4,4'-DDT		Water
				Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion from	m samples	collected	d in 2000	0.				
45	8406	5	Υ	BRENDER CREEK	FB41UG	0	23N	19E	05	Dissolved o	xygen	Water
				Ecology EIM study WENRTMDL, station 45BR00.4 shows 6 samples exceeded the criterion	in year 200	3.					This water body is p	part of an ongoing comprehensive TMDL

study in WRIA 45, and was listed in 1998.

Ecology EIM study WENRTMDL, station 45BR00.5 shows 2 samples exceeded the criterion in year 2003.

Ecology EIM study WENRTMDL, station 45BR00.7 shows that no samples exceeded the criterion in years, 2002 and 2003.

Ecology EIM study WENRTMDL, station 45BR01.2 shows that no samples exceeded the criterion in year 2003.

Ecology EIM study WENRTMDL, station 45D070 shows 4 samples exceeded the criterion in year 2002.

Hallock (2003), Dept. of Ecology ambient station 45D070 shows a total of 1 sample in year 2002 exceeded the criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows 0 excursions beyond the criterion out of 18 samples collected between 1993 - 2001.

Hindes, 1994, 1 excursion beyond the criterion at station 2 on 8/16/93.

Hindes, 1994. 2 excursions beyond the criterion at station 3 on 10/26/92 and 8/16/93.

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Fecal Coliform

Υ **BRENDER CREEK** 8408 5

Ecology unpublished data. (Ecology EIM study WENRTMDL), station 45BR00.4 shows the geometric mean of 248.6 exceeds the criterion and 6 of 10 samples (60%) collected in 2003 exceed the percentile criterion.

FB41UG 0

23N 19E 05

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR00.5 shows that 4 of 4 samples (100%) collected in 2003 exceed the percentile criterion.

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR00.7 shows the geometric mean of 584.6 exceeds the criterion and 10 of 10 samples (100%) collected in 2003 exceed the percentile criterion.

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.2 shows the geometric mean of 495.9 exceeds the criterion and 10 of 12 samples (83.3%) collected in 2003 exceed the percentile criterion.

Hallock (2004), Dept. of Ecology ambient station 45D070 shows a geometric mean of 122.1 exceeded the criterion in year 2003; and 3 of 12 samples (25%) in year 2003 exceeded the percentile criterion.

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45D070 shows the geometric mean of 114.1 exceeds the criterion and 5 of 11 samples (45.5%) collected in 2002 exceed the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 78 does not exceed the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 69 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 287 exceeds the criterion and that 64% of the samples exceeds the percentile criterion from 11 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 187 exceeds the criterion and that 45% of the samples exceeds the percentile criterion from 11 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK NEAR CASHMERE) shows a geometric mean of 267 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 2 samples collected during 1996.

Hindes, 1994, 12 excursions beyond the criterion at station 3 between 1992 and 1993.

Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

Water

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location In	formation			Parameter	Medium Remarks
45	41677	5	N	BRENDER CREEK	FB41UG	2.104 23	N 19E	06	Fecal Colifor	m Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.4 shows the (62.5%) collected in 2003 exceed the percentile criterion.	geometric me	ean of 280.1 (exceeds	the criterion and 5 c	of 8 samples	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.6 shows the (63.6%) collected in 2003 exceed the percentile criterion.	geometric me	ean of 540.0	exceeds	the criterion and 7 c	of 11 samples	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR01.9 shows that	3 of 4 sample	es (75%) coll	ected in	2003 exceed the pe	ercentile criterion.	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.0 shows that criterion.	2 of 3 sample	es (66.7%) c	ollected i	in 2003 exceed the p	percentile	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.1 shows the (40%) collected in 2003 exceed the percentile criterion.	geometric me	ean of 135.6 (exceeds	the criterion and 2 c	of 5 samples	
45	41682	5	N	BRENDER CREEK	FB41UG	3.943 23	N 18E	01	Fecal Colifor	m Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR02.5 shows the (20%) collected in 2003 exceed the percentile criterion.	geometric me	ean of 137.4	exceeds	the criterion and 2 c	of 10 samples	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR03.0 shows that	1 of 5 sample	es (20%) coll	ected in	2003 exceed the pe	ercentile criterion.	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR03.4 shows that	1 of 5 sample	es (20%) coll	ected in	2003 exceed the pe	ercentile criterion.	
45	41685	5	N	BRENDER CREEK	FB41UG	6.5 23	N 18E	11	Fecal Colifor	m Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45BR04.1 shows that criterion.	: 2 of 10 samp	oles (20%) co	llected ir	n 2003 exceed the p	percentile	
45	11277	5	N	BRENDER CREEK	FB41UG	0 23	N 19E	05	Temperature	Water
				Ecology EIM study WENRTMDL, station 45BR00.4 shows 1 samples exceeded the criterion	n in year 2003	3.				Changed from Category 1 to Category 5 on 01/20/05 due to consolidation with Listing IDs 42851 (Cat 5) and 41108 (Cat
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45BR00.1, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending July 18, 2002.						• , , ,
				Serdar and Era-Miller (2002) show no excursions beyond the criterion out of 5 measurement	nts collected in	n 2000.				
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45D070 (BRENDER CREEK N samples collected between 1993 - 2001.	IEAR CASHM	MERE) shows	0 excurs	sions beyond the cri	terion out of 18	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location In	formation				Parameter	Medium Remarks
45	8409	5	Υ	CHIWAUKUM CREEK	YR91UM	0	25N	17E	09	Temperature	e Water
compre	hensive TMDL			Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CK00.1, shadow and statement of the continuous monitoring data.	nows betwee	en 5/14/20	02 and	11/28	3/2002 there were	no occurences i	This water body is part of an ongoing
compre	HEISIVE TIVIDE			which the 7-day mean of daily maximum value exceeded the temperature criterion for this wa	aterbody.						study in WRIA 45, and was listed in 1998.
				10 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest (sub	omitted by B	ella Pathe	al of E	PA on	12/1/95) during 19	994.	WASWIS updated from HM20EV to YR91UM. 09/08/04 -kk
45	39357	5	N	CHIWAWA RIVER	HH87YZ	4.466	27N	18E	30	Temperature	e Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 17.2 degrees C, with a maximum daily temperature of 17.8 degrees C from continuous maximum.							;
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 15.4 degrees C, with a maximum daily temperature of 15.9 degrees C from continuous metals.)							;
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 18.4 degrees C, with a maximum daily temperature of 19.1 degrees C from continuous mersh Ladder'.							;
45	39359	5	N	CHIWAWA RIVER	HH87YZ	9.045	27N	17E	13	Temperature	e Water
40	03003	J	.,	Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 17.8 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous maximum daily temperature daily	17 January	2003) she	ow a 7-	-day m	nean of maximum of	daily temperature	
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 16 degrees C, with a maximum daily temperature of 17.6 degrees C from continuous mea							}
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 13 degrees C, with a maximum daily temperature of 13.1 degrees C from continuous mea							}

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000 and 2001 at station 'Chiwawa River #2 at Goose Creek CG' (River Mile 12).

Scholz, 1999, shows a 7-day mean of maximum daily temperature of 17.6 degrees C, with a maximum daily temperature of 18.4 degrees C from continuous measurements collected in 1998 at Chiwawa River at Goose Creek Campground.

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VVIXIA	Listing ID Oat	cgory	JU LIST:	Waterbody Name	Location infom	lation		Tarameter	Wediani
				Basis					Remarks
45	8412	5	Y	CHUMSTICK CREEK	TX45RJ 0.3	18 24N	17E 01	Fecal Colifor	rm Water
				Ecology EIM study WENRTMDL, station 45C060 shows the geometric mean of 101.0 exceed the percentile criterion.	ds the criterion a	and 2 of 10	samples (20%) collecte	ed in 2003 exceed	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
				Hallock (2004), Dept. of Ecology ambient station 45C070 meets tested standards for fecal co	oliform.				based on the 1996 assessment.
				Hallock (2004), Dept. of Ecology ambient station 45C060 shows 3 of 12 samples (25%) in ye	ear 2003 exceed	ed the perd	centile criterion.		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK Nexceed the criterion and that 0% of the samples does not exceed the percentile criterion from				n of 11 does not	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK Nexceed the criterion and that 0% of the samples does not exceed the percentile criterion from				n of 12 does not	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK Nexceed the criterion and that 0% of the samples does not exceed the percentile criterion from				n of 22 does not	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK Nexceed the criterion and that 0% of the samples does not exceed the percentile criterion from				n of 31 does not	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45C070 (CHUMSTICK CREEK Nexceed the criterion and that 0% of the samples does not exceed the percentile criterion from				n of 30 does not	
				Hindes, 1994, 4 excursions beyond the criterion at station 11between 1992 and 1993.					
45	41689	5	N	CHUMSTICK CREEK	TX45RJ 5.0	32 25N	18E 19	Fecal Colifor	rm Water
				Ecology EIM study WENRTMDL, station 45CS03.8 shows the geometric mean of 115.9 exce the percentile criterion.	eeds the criterior	n and 3 of 1	0 samples (30%) colle	cted in 2003 exceed	
				Ecology EIM study WENRTMDL, station 45CS04.3 shows that 1 of 2 samples (50%) collected	ed in 2003 excee	d the perc	entile criterion.		
45	41691	5	N	CHUMSTICK CREEK	TX45RJ 6.9	09 25N	18E 18	Fecal Colifor	rm Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45CS04.9 shows the gr (40%) collected in 2003 exceed the percentile criterion.	geometric mean o	of 160.7 ex	ceeds the criterion and	4 of 10 samples	
45	41693	5	N	CHUMSTICK CREEK	TX45RJ 10.	4 25N	18E 06	Fecal Colifor	rm Water
				Ecology EIM study WENRTMDL, station 45CS06.8 shows that a total of 2 samples were college.	lected in year 20	03 and nor	ne were found to excee	d the criterion.	
				Ecology EIM study WENRTMDL, station 45CS07.7 shows the geometric mean of 358.9 exce	eeds the criterior	and 5 of 1	0 samples (50%) colle	cted in 2003 exceed	d

Location Information

Parameter

Medium

WRIA Listing ID Category 98 List? Waterbody Name

the percentile criterion.

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WRIA	Listing ID Categor	y 98 L	ist?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis						Re	emarks	
45	41722 5	N		CHUMSTICK CREEK	TX45RJ	12.183	26N	18E	31	Fecal Coliform		Water
				Ecology EIM study WENRTMDL station 45CS08.3 shows the geometric mean of 129.4 exceeded the percentile criterion.	eeds the crit	erion and	that 2	of 5 sa	imples (40%) colle	cted in 2003		
				Ecology EIM study WENRTMDL station 45CS08.6 shows the geometric mean of 146.4 exceeded the percentile criterion.	eeds the crit	erion and	that 3	of 5 sa	amples (60%) colle	cted in 2003		
45	41724 5	N		CHUMSTICK CREEK	TX45RJ	14.005	26N	18E	30	Fecal Coliform		Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45CS09.1 shows the g (40%) collected in 2003 exceed the percentile criterion.	eometric me	ean of 73.	6 exce	eds the	e criterion and that	t 4 of 10 samples		
45	41725 5	N		CHUMSTICK CREEK	TX45RJ	16.195	26N	18E	33	Fecal Coliform		Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45CS11.3 shows that 2	2 of 4 sampl	es (50%)	collect	ed in 2	003 exceed the pe	ercentile criterion.		
45	42915 5	N		CHUMSTICK CREEK	TX45RJ	8.693	25N	18E	07	Temperature		Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CS06.1, so which the 7-day mean of daily maximum value exceeded the temperature criterion for this we °Celcius for the 7-day period ending August 21, 2003.								
45	42916 5	N		CHUMSTICK CREEK	TX45RJ	14.005	26N	18E	30	Temperature		Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45CS09.1, so which the 7-day mean of daily maximum value exceeded the temperature criterion for this we °Celcius for the 7-day period ending July 24, 2003.								
				Ecology EIM study WENRTMDL, station 45CS09.1 shows 1 samples exceeded the criterion	in year 200	3.						
45	41696 5	N		EAGLE CREEK	ZW35YH	0.893	25N	18E	30	Fecal Coliform		Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45EG00.9 shows that	2 of 8 samp	les (25%)) collec	ted in 2	2003 exceed the p	ercentile criterion.		
45	41727 5	N		EAGLE CREEK	ZW35YH	8.967	25N	18E	24	Fecal Coliform		Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45EG05.8 shows the g (18.2%) collected in 2003 exceed the percentile criterion.	eometric me	ean of 55	.5 exce	eds th	e criterion and tha	t 2 of 11 samples		

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Р	arameter	Medium Remarks	
45	42850	5	N	FISH LAKE RUN Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45FL00.3, sh	FA50VH ows betwe	-		17E d 7/25/			Temperature	e Water	
				which the 7-day mean of daily maximum value exceeded the temperature criterion for this was Celcius for the 7-day period ending July 18, 2002.									
				Ecology EIM study WENRTMDL, station 45FL00.3 shows 2 samples exceeded the criterion in	n year 200	2.							
45	41920	5	N	FOX IRR RET	UNK000	0	24N	18E	06	ı	Fecal Colifor	rm Water	
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45FX00.1 shows that 2	of 10 sam	ples (209	%) collec	cted in	2003	3 exceed the perce	entile criterior	n.	
45	42981	5	N	HIGHLINE CANAL RET	FG00VD	0	23N	20E	29	7	Temperature	e Water	
				Ecology EIM study WENRTMDL, station 45HR00.1 shows 4 samples exceeded the criterion	in year 200	02.					-		
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45HR00.1, sl which the 7-day mean of daily maximum value exceeded the temperature criterion for this was °Celcius for the 7-day period ending August 14, 2002.								in .	
45	8416	5	Υ	ICICLE CREEK	KN36FW	3.827	24N	17E	24	ı	Dissolved ox	xygen Water	
				Hindes, 1994. 6 excursions beyond the criterion at station 9 between 1992 and 1993.								During the assessment of data it was determined that WQ	
DO.				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45B070 (Icicle Cr nr Leavenword between 1993 - 2001.	h) shows (excursio	ons beyo	ond the	e crite	erion out of 9 samp	ples collected	Policy 1-11 (updated 9/03) was overly restrictive for the d number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for	
DO												statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	
to												be impaired. (Braley, ECY/WQP, 2003)	
45	8417	5	Υ	ICICLE CREEK	KN36FW	3.827	24N	17E	24	i	рН	Water	
				Ecology EIM study WENRTMDL, station 45B070 shows that 1 of 14 samples exceeds the cr	terion.							This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45B070 (Icicle Cr nr Leavenword collected between 1993 - 2001.	h) shows	0 excursi	ons bey	ond th	ne crit	terion out of 8 sam	ples	Study III WINIA 45, and was listed III 1990.	
				Hindes, 1994, 1 excursion beyond the criterion at station 9 on 10/26/92.									
45	8415	5	Υ	ICICLE CREEK	KN36FW	12.147	24N	17E	30	7	Temperature	e Water	
				Sullivan et al. 1990, 15 excursions beyond the criteria in 1988.								Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998	

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assessment.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
45	39343	5	N	ICICLE CREEK Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or measurements collected in 2000, 2001 and 2002 at station 'Icicle River Below Snow Creek' Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or	(River Mile (y 2003) s 5). y 2003) s	how exc	′-day r	ns beyond the criter	daily temperatur		Water
				of 18.6 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous m Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 17.4 degrees C, with a maximum daily temperature of 18.7 degrees C from continuous m Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 13.8 degrees C, with a maximum daily temperature of 14.5 degrees C from continuous m	n 17 Januar neasuremen n 17 Januar	y 2003) s ts collecto y 2003) s	how a 7 ed in 20 how a 7	'-day r 100 at : '-day r	mean of maximum of station called 'Icicle mean of maximum of	daily temperatur Creek'. daily temperatur		
45	42825	5	N	ICICLE CREEK	KN36FW	0	24N	17E	13	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC00.1, she which the 7-day mean of daily maximum value exceeded the temperature criterion for this was Celcius for the 7-day period ending August 29, 2002.								
45	42827	5	N	ICICLE CREEK	KN36FW	8.585	24N	17E	28	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC05.9, she which the 7-day mean of daily maximum value exceeded the temperature criterion for this we "Celcius for the 7-day period ending August 16, 2002.							1	
45	42828	5	N	ICICLE CREEK	KN36FW	14.472	24N	16E	24	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC09.9, she which the 7-day mean of daily maximum value exceeded the temperature criterion for this we °Celcius for the 7-day period ending August 31, 2002.								
45	42872	5	N	ICICLE CREEK	KN36FW	17.417	24N	16E	11	Temperatur	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45IC11.4, sh which the 7-day mean of daily maximum value exceeded the temperature criterion for this we °Celcius for the 7-day period ending September 2, 2002.								
45	41925	5	N	ICICLE IRR RET	UNK000	0	23N	19E	14	Fecal Colifo	orm	Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45ISR00.1 shows that	2 of 4 samp	oles (50%) collec	ted in	2003 exceed the pe	ercentile criterio	n.	
45	41731	5	N	LITTLE CHUMSTICK CREEK	FA38NK	0	26N	18E	30	Fecal Colifo	orm	Water
.5		•		Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45LC00.1 shows the ga (20%) collected in 2003 exceed the percentile criterion.								

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Remarks	Medium
45	39364	5	Y	LITTLE WENATCHEE RIVER Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 18.8 degrees C, with a maximum daily temperature of 19.4 degrees C from continuous more			how a		nean of maximum			Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 17.8 degrees C, with a maximum daily temperature of 18.3 degrees C from continuous months.							е	
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 14.9 degrees C, with a maximum daily temperature of 15.5 degrees C from continuous months.)							е	
45	39365	5	N	LITTLE WENATCHEE RIVER Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 19.3 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous monogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal of temperature of 12.6 degrees C, with a maximum daily temperature of 13.7 degrees C from convenience 2'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on measurements collected in 2001 at station 'Little Wenatchee River #2 aby Lost Creek' (River	neasurement on 17 Janua continuous m	ts collecto ary 2003) neasurem	how a common to the show a com	001 at s a 7-day ollected	nean of maximum station called 'Littl mean of maximu d in 1999 at station	e Wenatchee 2'. Im daily n called 'Little		Water
45	39366	5	N	LITTLE WENATCHEE RIVER Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on of 18.1 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous mookanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or temperature of 16.8 degrees C, with a maximum daily temperature of 17.1 degrees C from continuous of Wenatchee 3'. Okanogan and Wenatchee National Forest unpublished data (submitted by Solid temperature of 11.9 degrees C, with a maximum daily temperature of 14.8 degrees C from Little Wenatchee 3'.	easurement n 17 Januar ontinuous m Sonny O'Nea	y 2003) s ts collectory 2003) s neasuremal on 17 c	how a ded in 20 show a dents colors	7-day n 001 at s 7-day ollected 2003)	nean of maximum station called 'Littl mean of maximun d in 2000 at station show a 7-day me	e Wenatchee 3'. In daily In called 'Little Iteration of maximum		Water

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Water

Water

Water

LITTLE WENATCHEE RIVER Ν 39367

DS66LF 14.488 27N 15E 10 Temperature Water

Temperature

Temperature

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature Changed from Category 1 to Category 5 on 01/19/05 due to of 14.8 degrees C, with a maximum daily temperature of 15.1 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 4'. consolidation with Listing ID 40766 (Cat 5).

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of degrees C, with a maximum daily temperature of 12.3 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 4'.

Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.6 degrees C, with a maximum daily temperature of 20.3 degrees C from continuous measurements collected in 1998 at Little Wenatchee River above Rainy Creek.

Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.2 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous measurements collected in 1998 at Little Wenatchee River below Rainy Creek.

39368 Ν LITTLE WENATCHEE RIVER

DS66LF 16.594 27N 15E 09 **Temperature**

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.7 degrees C, with a maximum daily temperature of 18.2 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 7'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.9 degrees C, with a maximum daily temperature of 15.2 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 7'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 12.3 degrees C, with a maximum daily temperature of 12.7 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 7'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.3 degrees C, with a maximum daily temperature of 18.8 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 5'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.3 degrees C, with a maximum daily temperature of 16.5 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 5'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13.6 degrees C, with a maximum daily temperature of 14.3 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 5'.

39370 5 Ν LITTLE WENATCHEE RIVER

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 17.7 degrees C, with a maximum daily temperature of 18.2 degrees C from continuous measurements collected in 2001 at station called 'Little Wenatchee 6'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.8 degrees C, with a maximum daily temperature of 17.7 degrees C from continuous measurements collected in 2000 at station called 'Little Wenatchee 6'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.6 degrees C, with a maximum daily temperature of 15.2 degrees C from continuous measurements collected in 1999 at station called 'Little Wenatchee 6'.

40764 Ν LITTLE WENATCHEE RIVER 45 5

DS66LF 0 Scholz, 1999, shows a 7-day mean of maximum daily temperature of 19.9 degrees C, with a maximum daily temperature of 20.8 degrees C from continuous measurements collected in 1998 at Little Wenatchee River near mouth.

WRIA changed from 99 to 45. 12/03/04 -kk

DS66LF 21.471 28N 15E 31

27N 16E 23

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location In	nformation	1			Parameter	Remarks	Medium
45	34832	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	DQ04NW om samples o		-	19E	04	4,4'-DDD		Water
45	8960	5	Y	MISSION CREEK Davis et al, 1995., excursions beyond the criterion in edible rainbow trout tissue near the m	DQ04NW nouth in 1993		23N	19E	04	4,4'-DDE		Tissue
45	34826	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	DQ04NW om samples o			19E).	04	4,4'-DDE		Water
45	8959	5	Y	MISSION CREEK Davis et al, 1995, excursions beyond the criterion in edible rainbow trout tissue near the mo	DQ04NW outh in 1993.		23N	19E	04	4,4'-DDT		Tissue
45	34829	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	DQ04NW om samples o		-	19E).	04	4,4'-DDT		Water
45	8958	5	Y	MISSION CREEK Davis , 1996, 2 excursions beyond the chronic criterion at Mission Creek Road in 4/93 and 6	DQ04NW 6/93.	1.839	23N	19E	09	DDT		Water
45	8421	5	Υ	MISSION CREEK	FB41UG	0	23N	19E	05	Fecal Colifo	rm	Water
				Hindes, 1994, 6 excursions beyond the criterion at station 2 between 1992 and 1993.								were previously submitted only in e water segment is listed as Category 5 assessment.
45	8423	5	Υ	MISSION CREEK	DQ04NW	5.629	23N	19E	20	Fecal Colifo	rm	Water

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC03.8 shows that 2 of 3 samples (66.7%) collected in 2003 exceed the percentile

Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC04.4 shows that 1 of 9 samples (11.1%) collected in 2003 exceed the percentile criterion.

Hindes, 1994, 3 excursions beyond the criterion at station 4 between 1992 and 1993.

Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.

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WR	IA L	Listing ID Cate	gory 9	98 List?	Waterbody Name Basis	Location Information	Parameter	Medium Remarks
4 on	5	16832	5	Y	MISSION CREEK Hallock (2004), Dept. of Ecology ambient station 45E070 shows 2 of 7 samples (28.6%) in year	DQ04NW 0.16 23N 19E 05 ear 2002 exceeded the percentile criterion and 2 of 10	Fecal Colifor	
OII					in year 2003 exceeded the percentile criterion.			1998 listkk
					Ecology data, (Ecology EIM study WENRTMDL), station 45E070 shows the geometric mean 2003 exceed the percentile criterion.	of 495.6 exceeds the criterion and 6 of 8 samples (7	5%) collected in	
					Ecology data, (Ecology EIM study WENRTMDL), station 45MC00.1 shows that 2 of 3 sample	es (66.7%) collected in 2002 exceed the percentile cri	terion.	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAr criterion and that 0% of the samples exceeds the percentile criterion from 8 samples collected		not exceed the	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEA criterion and that 15% of the samples exceeds the percentile criterion from 13 samples collections.		not exceed the	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAr criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collections.		not exceed the	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAr criterion and that 0% of the samples exceeds the percentile criterion from 11 samples collected.		not exceed the	
					Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAr criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collect		not exceed the	
4	5	41557	5	N	MISSION CREEK	DQ04NW 0.45 23N 19E 04	Fecal Colifor	m Water
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.4 shows that criterion.	1 of 1 samples (100%) collected in 2003 exceed the p	percentile	
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.6 shows the (66.7%) collected in 2003 exceed the percentile criterion.	geometric mean of 487.9 exceeds the criterion and 6	of 9 samples	
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.9 shows the (45.5%) collected in 2003 exceed the percentile criterion.	geometric mean of 260.1 exceeds the criterion and 5	of 11 samples	
4	5	41559	5	N	MISSION CREEK	DQ04NW 1.839 23N 19E 09	Fecal Colifor	m Water
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC01.2 shows the (63.6%) collected in 2003 exceed the percentile criterion.	geometric mean of 143.7 exceeds the criterion and 7	of 11 samples	
4	5	41561	5	N	MISSION CREEK	DQ04NW 2.558 23N 19E 08	Fecal Colifor	m Water
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC01.7 shows that to exceed the criterion.	a total of 4 samples were collected in year 2003 and	none were found	
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC02.3 shows that	3 of 4 samples (75%) collected in 2003 exceed the pe	ercentile criterion	

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WRIA	Listing ID Cate	gory 9	8 List?	Waterbody Name Basis	Location Info	ormation				Parameter	Remarks	Medium
45	41562	5	N	MISSION CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC03.0 shows the g (57.1%) collected in 2003 exceed the percentile criterion.	DQ04NW 3 eometric mea		-	_		Fecal Colifo of 7 samples	rm	Water
45	8961	5	Υ	MISSION CREEK Davis, 1993, shows 1 excursion beyond the EPA (1986) recommended criterion at Mission C Serdar and Era-Miller (2002) show 1 excursion beyond the EPA (1986) recommended criterion		n 30 May		19E	04	Guthion(azi	This water body is	Water part of an ongoing comprehensive TMDL and was listed in 1998.
45	11282	5	N	MISSION CREEK Hallock (2004), Dept. of Ecology ambient station 45E070 shows that 2 of 21 samples exceed Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEA samples collected between 1993 - 2001. Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.1 shows that 0 Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45E070 shows that 0 o	R CASHMER	RE) shows	s 4 ex	riterion	ns beyond the criter	pH rion out of 18	High pH	Water
45	34799	5	N	MISSION CREEK Serdar and Era-Miller (2002) show 3 excursions beyond the criterion out of 5 measurements Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.4 shows that 2 Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.6 shows that 2 Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45MC00.9 shows that 2	of 3 samples	e000. s exceed s exceed	the ci	riterion	n. n.	рН	High pH	Water
45 compre	8424 hensive TMDL	5	N	MISSION CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC04.5, she which the 7-day mean of daily maximum value exceeded the temperature criterion for this was "Celcius for the 7-day period ending August 2, 2003. Ecology EIM study WENRTMDL, station 45MC04.4 shows 1 samples exceeded the criterion Numerous excursions beyond the criterion sampled at the NFS boundary by Wenatchee Nati 1994.	iterbody; the i	n 6/10/200	03 and	edanc	1/2003 there were 4 te during this period	l was 20.42	n This wate	Water er body is part of an ongoing and was listed in 1998.

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Ν **MISSION CREEK** 11281 DQ04NW 0.16 23N 19E 05 Temperature Water

Ecology EIM study WENRTMDL, station 45E070 shows 3 samples exceeded the criterion in years 2002 and 2003.

Changed from Category 2 to Category 5 on 01/19/05 due to consolidation with Listing ID 42836. -kk

Ecology EIM study WENRTMDL, station 45MC00.1 shows 1 samples exceeded the criterion in year 2002.

Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC00.1, shows between 4/27/2002 and 11/14/2002 there were 49 occurences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.96 °Celcius for the 7-day period ending July 27, 2002.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45E070 (MISSION CREEK NEAR CASHMERE) shows 2 excursions beyond the criterion out of 17 samples collected between 1993 - 2001 measured on these dates: 00/08/14, 97/06/09.

45 39374 5 Ν MISSION CREEK DQ04NW 11.248 22N 19E 06 Water **Temperature**

Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC07.6, shows between 6/10/2003 and 10/21/2003 there were 69 occurences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 20.08 °Celcius for the 7-day period ending August 1, 2003.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 21.2 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2001 at station called 'Mission Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.3 degrees C, with a maximum daily temperature of 21.1 degrees C from continuous measurements collected in 2000 at station called 'Mission Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.4 degrees C, with a maximum daily temperature of 12.1 degrees C from continuous measurements collected in 1999 at station called 'Mission Creek'.

Serdar and Era-Miller (2002) show no excursions beyond the criterion out of 5 measurements collected in 2000.

39375 Ν **MISSION CREEK** 5 DQ04NW 14.965 22N 19E 18 **Temperature** Water

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 19.5 degrees C, with a maximum daily temperature of 20.5 degrees C from continuous measurements collected in 2001 at station called 'Devils Gulch'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.5 degrees C, with a maximum daily temperature of 19.8 degrees C from continuous measurements collected in 2000 at station called 'Devils Gulch'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.3 degrees C, with a maximum daily temperature of 17 degrees C from continuous measurements collected in 1999 at station called 'Devils Gulch'.

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	Inforr	mation				Parameter	Medium
				Basis								Remarks
45	42837	5	N	MISSION CREEK	DQ04NW	1.8	839	23N	19E	09	Temperatur	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC01.2, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 2, 2003.								in
				Ecology EIM study WENRTMDL, station 45MC01.2 shows 3 samples exceeded the criterion	n in year 200	03.						
45	42838	5	N	MISSION CREEK	DQ04NW	2.	558	23N	19E	80	Temperatur	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC02.2, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending September 28, 2003.								in
45	42841	5	N	MISSION CREEK	DQ04NW	13	3.255	22N	19E	07	Temperatur	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45MC09.2, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.								
45	8425	5	Υ	NASON CREEK	UO87HL	0.2	288	27N	17E	27	Temperatur	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC00.3, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.	shows betwe vaterbody; th	een 5 he m	5/13/20 aximur	003 an m exce	d 9/24 eedand	/2003 ce duri	there were 69 occurences ir ing this period was 21.94	This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.
				Numerous excursions beyond the criterion sampled at the mouth by Wenatchee National Fo	orest (submi	itted	by Bel	la Patl	neal of	f EPA (on 12/1/95) during 1994.	
45	8426	5	Y	NASON CREEK	FZ91ME	0		26N	17E	09	Temperatur	e Water
				Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 34 excursions be	yond the cri	iterio	n in 19	994.				This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.
45	39376	5	N	NASON CREEK	UO87HL	0		27N	17E	28	Temperatur	e Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or degrees C from continuous measurements collected in 2001 at station called 'Nason Creek unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of r temperature of 21.4 degrees C from continuous measurements collected in 2000 at station of National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a maximum daily temperature of 18.2 degrees C from continuous measurements collected in	near the momaximum data called 'Naso 7-day mear	outh'. aily te on Cr n of r	. Okar empera eek ne naximu	nogan ature o ear the um dai	and W of 20.6 moutl ly tem	/enatcl degre h'. Ok peratu	hee National Forest les C, with a maximum daily anogan and Wenatchee lire of 17.5 degrees C, with a	

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Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000 and 2001 at station 'Nason Creek at mouth' (River Mile 0).

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
45	39377	5	N	NASON CREEK	UO87HL	4.704	26N	17E	09	Temperatu	re	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 19.1 degrees C, with a maximum daily temperature of 19.7 degrees C from continuous in Coles Corner'. Okanogan and Wenatchee National Forest unpublished data (submitted by daily temperature of 19.3 degrees C, with a maximum daily temperature of 20.8 degrees C 'Nason Creek near Coles Corner'. Okanogan and Wenatchee National Forest unpublished mean of maximum daily temperature of 17.1 degrees C, with a maximum daily temperature at station called 'Nason Creek near Coles Corner'.	neasuremer Sonny O'Ne from continu data (submi	nts collected on 17 was now means to the collected on 17 was means to the collected on 18 was a collected on 1	ed in 20 January sureme onny O	001 at : 2003) nts col Neal o	station ca show a llected in on 17 Jar	called 'Nason Creek near 7-day mean of maximum n 2000 at station called nuary 2003) show a 7-day	re	
45	42918	5	N	NASON CREEK	UO87HL	1.026	27N	17E	33	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC00.7, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this work of Celcius for the 7-day period ending August 16, 2002.							in	
45	42919	5	N	NASON CREEK	UO87HL	6.918	26N	17E	08	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC04.7, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.	shows betwe vaterbody; th	een 6/12/2 ne maxim	2003 ar um exc	nd 11/5 eedand	5/2003 th ce during	nere were 62 occurences in g this period was 21.42	ı	
45	42920	5	N	NASON CREEK	UO87HL	11.214	26N	16E	12	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC07.9, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 20, 2003.							n	
45	42921	5	N	NASON CREEK	UO87HL	13.656	26N	16E	11	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC09.5, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending September 5, 2003.								
45	42922	5	N	NASON CREEK	UO87HL	15.683	26N	16E	03	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC11.2, swhich the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.							1	
45	42923	5	N	NASON CREEK	UO87HL	19.856	26N	16E	05	Temperatu	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC13.9, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.							1	

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WRIA	Listing ID Cate	gory s	98 List?	Waterbody Name	Location In	nformatio	n			Parameter		Medium
				Basis							Remarks	
45	42924	5	N	NASON CREEK	UO87HL	23.896	26N	15E	01	Temperature		Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC16.3, sh which the 7-day mean of daily maximum value exceeded the temperature criterion for this wa °Celcius for the 7-day period ending August 1, 2003.								
45	42925	5	N	NASON CREEK	UO87HL	29.373	26N	15E	09	Temperature		Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC19.2, sh which the 7-day mean of daily maximum value exceeded the temperature criterion for this wa °Celcius for the 7-day period ending August 1, 2003.								
45	42926	5	N	NASON CREEK	UO87HL	35.598	26N	14E	01	Temperature		Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45NC23.6, sh which the 7-day mean of daily maximum value exceeded the temperature criterion for this wa °Celcius for the 7-day period ending August 2, 2003.								
45	41928	5	N	NO NAME CREEK	UNK000	0	00U	000U	J 00	Fecal Colifor	m	Water
NO				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.1 shows that 3	of 7 samp	les (42.9	%) colle	ected in	n 2003 exceed the pe	rcentile	Name changed from	n UNNAMED CREEK (AT MOUTH) to
NO				criterion.							NAME CREEK on 0)2/03/05. TRS = 23N-19E-05kk
45	41929	5	N	NO NAME CREEK	UNK000	0	00U	000U	J 00	Fecal Colifor	m	Water
NO				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.2 shows the general study with the state of the the stat	eometric m	ean of 45	51.7 exc	ceeds t	the criterion and 8 of	9 samples	Name changed from	n UNNAMED CREEK (AT MILL RD) to
140				(88.9%) collected in 2003 exceed the percentile criterion.							NAME CREEK on	02/03/05. TRS = 23N-19E-05kk
45	41930	5	N	NO NAME CREEK	UNK000	0	00U	000U	J 00	Fecal Colifor	m	Water
DOND)				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.3 shows that 3	of 3 samp	les (100%	%) colle	cted in	2003 exceed the per	centile	Name changed from	n UNNAMED CREEK (BLW DUCK
POND)				criterion.							to NO NAME CREE	EK on 02/03/05. TRS = 23N-19E-05kk
45	41932	5	N	NO NAME CREEK	UNK000	0	00U	000U	J 00	Fecal Colifor	m	Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN00.5 shows the get	eometric m	ean of 10	2.6690	61925	43 exceeds the criter	ion from data	Name changed from	n UNNAMED CREEK (AT SUNSET
HWY)				collected in 2003.							to NO NAME CREE	K on 02/03/05. TRS = 23N-19E-05kk
45	42537	5	N	NO NAME CREEK	UNK000	0	00U	000U	J 00	Fecal Colifor	m	Water
Overell				Hallock (2004), Dept. of Ecology ambient station 45R050 shows a geometric mean of 395.7 e	exceeded th	ne criterio	on in ye	ar 200	3; 3 of 3 samples (10	0%) in year	Located near conflu	ence of Brender Creek and Mission
Creek.				2002 exceeded the percentile criterion; and 10 of 12 samples (83.3%) in year 2003 exceeded	I the perce						TRS=23N-19E-05.	-kk

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WF	RIA	Listing ID Cated	jory	98 List?	Waterbody Name	Location Information				Parameter	Medium		
					Basis								Remarks
4	15	41819	5	N	NO NAME CREEK	UNK000	0		00U	000U	J 00	рН	Water
					Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45NN01.3 shows that 3	of 5 sam	oles e	xceed	I the c	riterior	٦.		Name changed from UNNAMED CREEK (AT STINES HILL RD) to NO NAME CREEK on 02/03/05kk
4	15	8427	5	Υ	PESHASTIN CREEK	OM13EX	4.3	57	24N	18E	32	Temperature	Water
					Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC03.6, she which the 7-day mean of daily maximum value exceeded the temperature criterion for this was o'Celcius for the 7-day period ending August 1, 2003.								This water body is part of an ongoing comprehensive TMDL study in WRIA 45, and was listed in 1998.
					Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 36 excursions bey	ond the cr	iterior	n in 19	94.				
4	15	8428	5	Y	PESHASTIN CREEK	OM13EX	0.6	38	24N	18E	21	Temperature	Water
comi	orehe	ensive TMDI			Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC00.3, shadow and statio	ows betwe	een 7/	/17/20	02 an	d 11/1:	3/2002 there were 45	occurences ir	This water body is part of an ongoing
John	comprehensive TMDL				which the 7-day mean of daily maximum value exceeded the temperature criterion for this was °Celcius for the 7-day period ending August 15, 2002.	iterbody; tl	ne ma	aximur	n exce	edano	ce during this period	was 22.08	study in WRIA 45, and was listed in 1998.

Numerous excursions beyond the criterion sampled at the NFS boundary by Wenatchee National Forest (submitted by Bella Patheal of EPA on 12/1/95) during 1994.

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Basis

PESHASTIN CREEK Ν 39344

OM13EX 13.954 23N 17E 25

Temperature

Water

Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC08.4, shows between 6/9/2003 and 11/2/2003 there were 14 occurences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 16.68 °Celcius for the 7-day period ending August 1, 2003.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Peshastin Creek blw Ingalls Creek' (River Mile 9.6).

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 16.5 degrees C, with a maximum daily temperature of 16.9 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek below Ingalls Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15.7 degrees C, with a maximum daily temperature of 17 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek below Ingalls Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 14.2 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek below Ingalls Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.4 degrees C, with a maximum daily temperature of 19 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek above Ingalls Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.1 degrees C, with a maximum daily temperature of 19.4 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek above Ingalls Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 15 degrees C, with a maximum daily temperature of 15.8 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek above Ingalls Creek'.

PESHASTIN CREEK 39381 5 Ν 45

OM13EX 15.93 23N 17E 36

Water

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 21.5 degrees C, with a maximum daily temperature of 22.2 degrees C from continuous measurements collected in 2001 at station called 'Peshastin Creek above Negro Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 20.6 degrees C, with a maximum daily temperature of 22.4 degrees C from continuous measurements collected in 2000 at station called 'Peshastin Creek above Negro Creek'. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 18.3 degrees C, with a maximum daily temperature of 19.3 degrees C from continuous measurements collected in 1999 at station called 'Peshastin Creek above Negro Creek'.

42881 Ν **PESHASTIN CREEK**

OM13EX 9.541 23N 18E 18

Temperature

Temperature

Water

Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC06.5, shows between 6/26/2003 and 10/20/2003 there were 55 occurences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 18.73 °Celcius for the 7-day period ending August 1, 2003.

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WRIA	Listing ID Catego	ory 98 List	Waterbody Name Basis	Location I	nformatio	n			Parameter Remarks	Medium
45	42884	5 N	PESHASTIN CREEK	OM13EX	18.021	22N	17E	01	Temperature	Water
			Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC12.4, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.							
45	42885	5 N	PESHASTIN CREEK	OM13EX	22.498	22N	17E	13	Temperature	Water
			Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45PC14.9, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003.							
45	41938	5 N	PESHASTIN IRR RET	UNK000	0	23N	19E	04	Fecal Coliform	Water
			Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45PRM00.1 shows the (44.4%) collected in 2003 exceed the percentile criterion.	e geometric	mean of	155.2 e	xceed	s the criterion and 4	of 9 samples	
45	41823	5 N	PIONEER IRR RET	UNK000	0	23N	19E	05	рН	Water
			Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45PS00.1 shows that	4 of 6 samp	les excee	d the c	riterior	١.		
45	42953	5 N	ROARING CREEK	YL67PV	0	26N	16E	11	Temperature	Water
			Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45RC00.0, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending July 28, 2003.							
45	39383	5 N	ROCK CREEK	BS97UP	1.295	29N	17E	30	Temperature	Water
			Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 15.6 degrees C, with a maximum daily temperature of 16.2 degrees C from continuous m							

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 13.7 degrees C, with a maximum daily temperature of 14.6 degrees C from continuous measurements collected in 2000 at station called 'Rock Creek'.

Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show a 7-day mean of maximum daily temperature of 11.9 degrees C, with a maximum daily temperature of 12.1 degrees C from continuous measurements collected in 1999 at station called 'Rock Creek'.

Scholz, 1999, shows a 7-day mean of maximum daily temperature of 15.3 degrees C, with a maximum daily temperature of 16 degrees C from continuous measurements collected in 1998 at Rock Creek.

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location	Informatio	n			Parameter	Remarks	Medium
45	39384	5	N	SAND CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this work of 17.3 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this work of 17.3 degrees C, with a maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data, station 45SN00.0, s which the 7-day mean of daily maximum daily temperature of 17.9 degrees C from continuous monitoring data (submitted by Sonny O'Neal of 17.4 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous monitoring data (submitted by Sonny O'Neal of 17.4 degrees C, with a maximum daily temperature of 18.6 degrees C from continuous monitoring data (submitted by Sonny O'Neal of 17.4 degrees C, with a maximum daily temperature of 18.8 degrees C from continuous monitoring data (submitted by Sonny O'Neal of 17.4 degrees C, with a maximum daily temperat	raterbody. n 17 Janua neasuremer n 17 Janua neasuremer n 17 Janua	ry 2003) s nts collectory 2003) s nts collectory 2003) s nts collectory 2003) s	now a 7 now a 7 now a 7 now a 7 ed in 20	7-day r 001 at : 7-day r 000 at : 7-day r	mean of maximum station called 'Sand	daily temperatur I Creek'. daily temperatur I Creek'. daily temperatur	e e	Water
45	42815	5	N	SECOND CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45SE00.1, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 2, 2003.			003 an		1/2003 there were			Water
45	41912	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the National T	QE80IG Foxics Rule	0 criterion.	40N	27E	27	4,4'-DDE		Water
45	41916	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the National T	QE80IG Foxics Rule	0 criterion.	40N	27E	27	4,4'-DDT		Water
45	41908	5	N	TONASKET CREEK Serdar, D., (2003), station OKANOTMDL09 shows 2 samples in 2001 exceed the chronic cr	QE80IG	0	40N	27E	27	DDT		Water
45	39385	5	N	TRONSEN CREEK Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45TC00.0, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 1, 2003. Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 16.1 degrees C, with a maximum daily temperature of 16.9 degrees C from continuous maximum daily temperature of 16.9 degrees C	/aterbody; tl n 17 Janua	een 5/23/2 he maximi	003 an um exce	eedano 7-day r	/2003 there were 3 ce during this perio	d was 19.00 daily temperatur		Water

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WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
45	41942	5	N	VAN CREEK	VF45OQ	0	25N	18E	24	Fecal Colifor	rm	Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL) station 45VC00.1 shows the gr (80%) collected in 2003 exceed the percentile criterion.	eometric me	ean of 204	4 excee	eds the	e criterion and that 8	of 10 samples		
45	41834	5	N	VAN CREEK	VF45OQ	0	25N	18E	24	рН		Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45VC00.1 shows that	3 of 10 sam	ples exce	ed the	criterio	on.			
45	12387	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	4,4'-DDD		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple collected in 1984.	fish compo	site of ed	ible tiss	sue of	Mountain whitefish s	amples		
45	12388	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	4,4'-DDE		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple collected in 1984.	fish compo	site of ed	ible tiss	sue of	Mountain whitefish s	amples		
45	12386	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	4,4'-DDT		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple collected in 1984.	fish compo	site of ed	ible tiss	sue of	Mountain whitefish s	amples		
45	14298	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	ALPHA-BHC	;	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple collected in 1984.	fish compo	site of ed	ible tiss	sue of	Mountain whitefish s	amples		
45	10705	5	Υ	WENATCHEE RIVER	HM20EV	56.298	25N	17E	09	Dissolved ox	xygen	Water
				Hallock (2003), Dept. of Ecology ambient station 45A110 shows a total of 1 sample in year 2	2002 exceed	ded the cr	iterion.					art of an ongoing comprehensive TMDL nd was listed in 1998.
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45A110 shows 1 samp	ole exceede	d the crite	erion in	year 2	2002.		study iii WikiA 45, a	nu was listeu in 1990.
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A110 (WENATCHEE RIVER of 59 samples collected between 1993 - 2001 measured on these dates: 93/08/09, 94/07/13.		VENWOR	RTH) sh	iows 2	excursions beyond t	the criterion out	t	
45	10702	5	Υ	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	рН		Water
				Ecology EIM study WENRTMDL, station 45WR01.0 shows that 1 of 1 samples exceeds the	criterion.						High pH	
				Hallock (2004), Dept. of Ecology ambient station 45A070 shows that 5 of 30 samples exceed	d the criterio	on.						

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Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A070 (WENATCHEE RIVER AT WENATCHEE) shows 17 excursions beyond the criterion out of 56 samples collected between 1993 - 2001.

Ecology EIM study WENRTMDL, station 45A070 shows that 0 of 5 samples exceed the criterion.

WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	nformati	on			1	Parameter	Medium
				Basis							I	Remarks
45	41269	5	N	WENATCHEE RIVER	HM20EV	10.348	23N	19E	11		рН	Water
				Ecology unpublished data, (Ecology EIM study WENRTMDL), station 45WR06.5 shows that	7 of 14 san	nples ex	ceed the	criteri	rion.			
45	3729	5	Υ	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28		Temperature	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR00.5, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 31, 2002.								in
				Ecology EIM study WENRTMDL, station 45A070 shows 2 samples exceeded the criterion in	year 2002.							
				Dept. of Ecology data from core ambient monitoring station 45A070 (Wenatchee R. at Wena mid-week 24 July 2001.	tchee) show	ws a 7-da	ay mean	of dai	ily ma	aximum values of	22.4 for	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A070 (WENATCHEE RIVER samples collected between 1993 - 2001.	AT WENAT	TCHEE)	shows 4	excur	rsions	beyond the crite	rion out of 57	
45	3730	5	N	WENATCHEE RIVER	HM20EV	56.298	25N	17E	09		Temperature	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR35.9, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 30, 2002.								in .
				Ecology EIM study WENRTMDL, station 45A110 shows 1 samples exceeded the criterion in	year 2002.							
				Dept. of Ecology unpublished data from core ambient monitoring station 45A110 (Wenatched values of 18.8 for mid-week 10 July 2001.	e R. near Lo	eavenwo	rth) sho	ws a 7	7-day	mean of daily ma	aximum	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 45A110 (WENATCHEE RIVER of 55 samples collected between 1993 - 2001.	NEAR LEA	VENWO	RTH) sh	nows 3	3 excu	ırsions beyond th	e criterion out	t .
45	39386	5	N	WENATCHEE RIVER	HM20EV	44.283	24N	17E	10		Temperature	e Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 19.4 degrees C, with a maximum daily temperature of 20.1 degrees C from continuous m Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or of 16.4 degrees C, with a maximum daily temperature of 17.4 degrees C from continuous m	easuremen 17 Januar	nts collecty 2003)	ted in 20 show a 7	000 at 7-day r	statio mean	n called 'Wenatc of maximum dai	hee River'. ly temperature	
45	41111	5	N	WENATCHEE RIVER	HM20EV	10.348	23N	19E	11		Temperature	e Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR05.3, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this was °Celcius for the 7-day period ending August 30, 2002.	hows betwe aterbody; th	een 8/7/2 ne maxin	2002 and num exc	d 10/17 eedan	7/200 nce du	2 there were 33 or ring this period w	occurences in 0 vas 21.63	Changed from Category 2 to Category 5 on 01/20/05 due to consolidation with Listing ID 42976 (cat 5)kk

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Ecology EIM study WENRTMDL, station 45WR06.5 shows 1 samples exceeded the criterion in year 2002.

WRIA	Listing ID Cate	egory !	98 List?	Waterbody Name Basis	Location Info	ormation			Parameter R	Medium emarks
45 01/20/05	41113 due to	5		WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR14.1, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 31, 2002. Ecology EIM study WENRTMDL, station 45WR14.1 shows 1 samples exceeded the criterion	hows betweer raterbody; the	n 6/29/20 maximu		7/2002 there were 2		Water Changed from Category 2 to Category 5 on onsolidation with Listing ID 41113 (cat 5)kk
45 01/20/05	41114 due to	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR18.1, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w "Celcius for the 7-day period ending August 30, 2002. Ecology EIM study WENRTMDL, station 45WR17.2 shows 1 samples exceeded the criterion	HM20EV 2 hows between raterbody; the	27.815 n 6/29/20 maximu	002 and 10/1	0/2002 there were 2		Water Changed from Category 2 to Category 5 on onsolidation with Listing ID 42857 (cat 5)kk
45 01/20/05	41115 due to	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR20.9, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 30, 2002. Ecology EIM study WENRTMDL, station 45WR21.0 shows 1 samples exceeded the criterion	aterbody; the	n 7/25/20 maximu	002 and 10/1	7/2002 there were 1		Water Changed from Category 2 to Category 5 on onsolidation with Listing ID 42859 (cat 5)kk
45 01/20/05	41145 due to	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR46.4, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 31, 2002. Ecology EIM study WENRTMDL, station 45WR46.2 shows 1 samples exceeded the criterion	raterbody; the	n 7/25/20 maximu		5/2002 there were 3		Water Changed from Category 2 to Category 5 on onsolidation with Listing ID 42864 (cat 5).
45	42855	5		WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR10.2, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 31, 2002.	hows between	n 6/29/20		7/2002 there were 3		Water
45	42858	5	N	WENATCHEE RIVER Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR18.7, s which the 7-day mean of daily maximum value exceeded the temperature criterion for this w °Celcius for the 7-day period ending August 31, 2002.	hows betweer	n 7/17/20		7/2002 there were 3		Water

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
				Dasis							Remarks	
45	42860	5	N	WENATCHEE RIVER	HM20EV	37.696	24N	17E	01	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR23.6, which the 7-day mean of daily maximum value exceeded the temperature criterion for this of Celcius for the 7-day period ending August 31, 2002.							in	
45	42861	5	N	WENATCHEE RIVER	HM20EV	48.937	25N	17E	33	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR30.3, which the 7-day mean of daily maximum value exceeded the temperature criterion for this of Celcius for the 7-day period ending August 31, 2002.							in	
45	42862	5	N	WENATCHEE RIVER	HM20EV	50.722	25N	17E	28	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR32.3, which the 7-day mean of daily maximum value exceeded the temperature criterion for this v °Celcius for the 7-day period ending July 23, 2002.								
45	42865	5	N	WENATCHEE RIVER	HM20EV	77.556	27N	17E	36	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR49.1, which the 7-day mean of daily maximum value exceeded the temperature criterion for this of Celcius for the 7-day period ending August 31, 2002.							in	
45	42866	5	N	WENATCHEE RIVER	HM20EV	86.01	27N	17E	28	Temperatur	re	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR53.5, which the 7-day mean of daily maximum value exceeded the temperature criterion for this v °Celcius for the 7-day period ending August 31, 2002.								
45	42871	5	N	WENATCHEE RIVER	IQ00NP	0	27N	17E	28	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR53.9, which the 7-day mean of daily maximum value exceeded the temperature criterion for this of Celcius for the 7-day period ending August 31, 2002.							in	
45	42977	5	N	WENATCHEE RIVER	HM20EV	52.519	25N	17E	21	Temperatur	e	Water
				Dept. of Ecology's Wenatchee River TMDL continuous monitoring data, station 45WR33.0, which the 7-day mean of daily maximum value exceeded the temperature criterion for this of Celcius for the 7-day period ending August 9, 2002.							in	
45	14299	5	N	WENATCHEE RIVER	HM20EV	0.6	23N	20E	28	Total PCBs		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple collected in 1984.	e fish compo	site of ed	ible tiss	sue of	Mountain whitefisl	n samples		

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location Ir	nformatio	n			Parameter	Medium Remarks
45	34834	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	XL42OT om samples	0.157 collected	-	19E).	09	4,4'-DDD	Water
45	34828	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	XL42OT om samples o	0.157	_	19E).	09	4,4'-DDE	Water
45	34831	5	N	YAKSUM CREEK Serdar and Era-Miller (2002) show 5 excursions beyond the National Toxic Rule criterion fro	XL42OT om samples	0.157 collected	_	19E).	09	4,4'-DDT	Water
45	41704	5	N	YAKSUM CREEK Ecology unpublished data, (Ecology EIM study WENRTMDL), station 7MC shows that 3 of 1	XL42OT I0 samples (_	_	19E n 2003		Fecal Coliforile criterion.	rm Water
46	10712	5	N	ENTIAT RIVER Hallock (2004), Dept. of Ecology ambient station 46A070 shows that 6 of 30 samples exceed Hallock (2001) Dept. of Ecology Ambient Monitoring Station 46A070 (ENTIAT RIVER NEAR collected between 1993 - 2001		n.				pH of 50 samples	Water Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42739kk
47	8963	5	Y	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Off Stink Creek). Davis and Johnson, 1994., excursions beyond the criterion of edible fish tissue samples. Davis and Serdar, 1996, excursions beyond the criterion in edible fish tissue of Kokanee, Ru		in Lake T	rout co		e samples collected	4,4'-DDE on 10/09/2000	Tissue
47	36426	5	N	CHELAN LAKE U.S. EPA unpublished data show the National Toxic Rule criterions was exceeded in a compuSEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule at location (Off Stink Creek).		ake trout	fillets c	collected		4,4'-DDT on 10/09/2000	Tissue
47	43078	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Off Stink Creek).	292NWR ule criterion			-	e samples collected	Chlordane on 10/09/2000	Tissue

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformati	on			Parameter	Remarks	Medium
47	43057	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Off Stink Creek).	292NWR ule criterion				e samples collected	Dieldrin on 10/09/2000)	Tissue
47	43061	5	N	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Off Stink Creek).	292NWR ule criterion				e samples collected	Dioxin on 10/09/2000)	Tissue
47	8964	5	Y	CHELAN LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Off Stink Creek). Davis and Johnson, 1994. excursions beyond the criterion of edible fish tissue samples. Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of Kokanee, Ra		in Lake	Trout co	•	e samples collected	Total PCBs on 10/09/2000)	Tissue
47	14325	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	JI23XG fish compo	5.98 site of e		22E sue of E	-	4,4'-DDD Northern		Tissue
47	14326	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	JI23XG fish compo	5.98 site of e		22E sue of E		4,4'-DDE Northern		Tissue
47	14324	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	JI23XG fish compo	5.98 site of e		22E sue of E	_	4,4'-DDT Northern		Tissue
47	14327	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squawfish samples collected in 1984.	JI23XG fish compo	5.98 site of e		22E sue of E		ALPHA-BHO Northern	:	Tissue
47	14328	5	N	CHELAN RIVER Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple squarefish camples collected in 1984.	JI23XG fish compo	5.98 site of e		22E sue of E	_	Total PCBs Northern		Tissue

squawfish samples collected in 1984.

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name	Location I	Informa	ation				Parameter		Medium
				Basis								Remarks	
47	8429	5	Υ	COLUMBIA RIVER	NN57SG	819.0	05 28	BN 2	24E	06	Temperature	•	Water
				Washington Dept. of Fish and Wildlife data show (submitted by Hal Michael on 14 September Wells Hatchery.	er 1995) nu	umerous	s excui	rsions	beyo	ond the criterion at t	the inflow to the	EPA has the lead i and Snake Rivers	
				Douglas Cunty PUD station WEL (Wells Forebay) shows 46 excursions beyond the criterion	out of 174	days dı	uring 2	000.					
47	8966	5	Y	ROSES (ALKALI) LAKE Seiders, 2004 shows fillet samples of largemouth bass collected in 2003 exceeded the Nation	370XQC onal Toxics		21E riterion		4'-DD	DE.	4,4'-DDE		Tissue
				Serdar, et al. 1994., excursions beyond the criterion in edible fish tissue.									
48	39349	5	N	CHEWUCH RIVER	SZ69OB	14.13	33 36	SN 2	21E	35	Temperature)	Water
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal or measurements collected in 2000, 2001 and 2002 at station 'Chewuch River near Okanogan		ry 2003)	3) show	excui	rsions	s beyond the criterion	on from		
48	3732	5	N	METHOW RIVER	EO28MQ	7.226	6 30)N 2	23E	83	Temperature)	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 48A070 (Methow R 23.4 for mid-week 10 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Stexcursions beyond the criterion out of 55 samples collected between 1993 - 2001	near Pate ation 48A0	rous) s 70 (MET	shows a	a 7-da RIVE	ay me ER NE	ean of daily maximu EAR PATEROS) sh	m values of nows 2		
49	14355	5	N	OKANOGAN RIVER	YN58LL	26.96	6 32	2N 2	25E	09	ALPHA-BHO	;	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple bass samples collected in 1984.	fish compo	osite of	edible	tissue	e of B	Bridgelip sucker and	Largemouth		
49	11325	5	N	OKANOGAN RIVER	YN58LL	123.3 a	38 40)N 2	27E	27	Dissolved o	cygen	Water
				Hallock (2003), Dept. of Ecology ambient station 49A190 shows a total of 2 samples in years	s 2002 and	2003 e	exceede	ed the	crite	erion.			ment of data it was determined that WQ ed 9/03) was overly restrictive for the
DO				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A190 (OKANOGAN AT ORO collected between 1993 - 2001 measured on these dates: 95/06/14, 95/08/16, 95/10/09, 96/		ows 4 e	excursio	ons be	eyond	d the criterion out of	50 samples	number of years of	data excursions needed to list for D.O. ed on a review of monitoring studies for
to				0 excursions beyond the criterion out of 11 samples (36%) at Ecology ambient monitoring st FY32BX0.000)	ation 49A1	90 betw	veen 9/	'91 an	nd 9/9	96. (kk- was watercr	s ID	excursions for at le	letermined that multiple (3 or more) ast two years of monitoring should be tive indicator that a waterbody continues

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Listed in 1996 based on 4 excursions beyond the criterion at Ecology ambient monitoring station 49A190 between 1985 and 1991.

be impaired. (Braley, ECY/WQP, 2003)

WRIA	Listing ID Cat	tegory	98 List?	Waterbody Name Basis	Location I	nformatio	on			Parameter	Medium Remarks
49	11324	5	N	OKANOGAN RIVER	YN58LL	123.38	40N	27E	27	рН	Water
				Hallock (2004), Dept. of Ecology ambient station 49A190 shows that 6 of 30 samples exceed	the criterio	on.					Changed from Category 2 to Category 5 on 01/18/05 due to consolidation with Listing ID 42743kk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A190 (OKANOGAN AT ORO collected between 1993 - 2001.	VILLE) sho	ows 17 e	cursion	s beyo	nd the criterion ou	ut of 49 samples	High pH
											Review of this data, in comparison with other lakes in the Columbia Basin ecoregion, suggests that the pH
exceeda										in this lake are due to natural conditions (Hallock, EAP, 2003). However, information from the British Columbia Ministry of Land, Air and Water on water quality in Osoyoos Lake cites the quality as poor due to high phosphorus levels. Actual data was not available for review, thus it was not possible to review whether data used to determine the phosphorus levels met QA/QC requirements for listing as polluted in accordance with Ecology Policy 1-11. This is considered a water of concern.	
49	8436	5	Y	OKANOGAN RIVER	YN58LL	24.28	32N	25E	17	Temperatur	e Water
				4 excursions beyond the criterion at USGS station 12447200 (at Malott) during 1990, 1991,	1992, 1993,	, and 199	94.				
49	11315	5	Υ	OKANOGAN RIVER	YN58LL	26.96	32N	25E	09	Temperatur	e Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49A070 (OKANOGAN RIVER A samples collected between 1993 - 2001 measured on these dates: 00/08/15, 93/07/13, 93/08/13, 96/09/10, 97/07/15, 97/08/12,							
49	3734	5	Υ	SIMILKAMEEN RIVER	ND93YI	7.908	40N	27E	28	Temperatur	e Water
				Dept. of Ecology unpublished data from core ambient monitoring station 49B070 (SIMILKAM values of 23.4 for mid-week 27 July 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoriex excursions beyond the criterion out of 54 samples collected between 1993 - 2001.							
				Washington Dept. of Fish and Wildlife data show (submitted by Hal Michael on 14 September to the Similkameen Hatchery.	r 1995) sh	ow nume	erous ex	cursio	ns beyond the crit	erion at the inflow	

Johnson (1997) station OROVILLE (AT (R.M. 5.0) ABOVE OROVILLE) shows 0 excursions beyond the criterion out of 2 samples collected between 08/95 - 04/96.

Unpublished data from Dept. of Ecology EIM database for the Project AJOH0016 (Similkameen River Arsenic) station 49B070 (SIMILKAMEEN RIVER AT

OROVILLE) shows 0 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01.

Johnson, 2002. Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 0 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location I	nforma	tion				Parameter		Medium
				Basis								Remarks	
50	6310	5	N	COLUMBIA RIVER	NN57SG	865. 6	11 29	N 2	25E	24	Temperature	•	Water
				U.S. Army Corp of Engineers (2002a) station CHQW (Chief Joseph Tailwater) shows 39 exc	cursions bey	•	e criter	ion ou	ut of 2	243 days during 200	01.	EPA has the lead in and Snake Rivers t	n a Temperature TMDL for the Columbia
				U.S. Army Corps Of Engineers (2002a) station CHJ (Chief Joseph Forebay) showed 104 ex	cursions be	yond th	ne crite	rion o	ut of	361 days during 20	01.	and Shake Rivers	iriat is underway.
				U.S. Army Corp of Engineers (2001) station CHQW (Chief Joseph Tailwater) shows 0 days	exceeding t	he crite	erion in	2000					
				U.S. Army Corps Of Engineers (2001) station CHJ (Chief Joseph Forebay) showed 1 days e	excceding th	ne crite	rion du	ring 2	000.				
50	40951	5	N	COLUMBIA RIVER	NN57SG	817.	19 28	N 2	24E	07	Temperature)	Water
and				Pickett, 2002, shows no excursions beyond the citerion from measurements collected in May	y and July 2	2002.						EPA has the lead in	n a temperature TMDL for the Columbia
anu				Douglas County PUD station WELW (Wells Tailrace) shows 43 excursions beyong the criter	ion out of 1	63 day	s durin	g 200	0.			Snakes Rivers tha	it is underway.
52	8177	5	Υ	SANPOIL RIVER	JM31YT	97.1	84 36	N 3	3E	07	Dissolved or	cygen	Water
				Ferry County Conservation District data (submitted by Patti Stone of the Confederated Colvi McNichols bridge in 1992 and 1993.	lle Tribes or	n 10/31	/97) sl	how e	excur	sions beyond the cr	iterion) at		
52	16847	5	N	SANPOIL RIVER	JM31YT	75.5	1 34	N 3	32E	01	Fecal Colifo	rm	Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 52A110 (Sanpoil R. 13 miles Scriterion and that 0% of the samples does not exceed the percentile criterion from 3 samples Monitoring Station 52A110 (Sanpoil R. 13 miles South of Republic) shows a geometric mea percentile criterion from 8 samples collected during 1995.	s collected o	during '	1994.;	Hallo	ock (2	2001) Dept. of Ecolo	gy Ambient	e	
53	43197	5	N	BUFFALO LAKE	017GYB	30N	31E	27			Dioxin		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).	ule criterion	in Lar	gemout	h Bas	ss coi	mposite samples co	llected on		
53	43205	5	N	BUFFALO LAKE	UNK000	30N	31E	27			Heptachlor		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).	ule criterion	in Lar	gemout	h Bas	SS COI	mposite samples co	llected on		
53	43215	5	N	BUFFALO LAKE	UNK000	30N	31E	27			Total PCBs		Tissue
				USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rt 07/24/2002 at location (N. Shore Areas In 6-8 Foot Depth).	ule criterion	in Lar	gemout	h Bas	SS COI	mposite samples co	llected on		

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WRIA	Listing ID Cated	gory	98 List?	Waterbody Name	Location I	Inform	ation				Parameter	Domorko	Medium
				Basis								Remarks	
53	42784	5	N	COLUMBIA RIVER	NN57SG	945 6	5.56 29N	30E	36		Dissolved ox	ygen	Water
				Hallock (2003), Dept. of Ecology ambient station 53A070 shows a total of 2 samples in years	2001 and	•	exceeded	the cri	terion.				
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 53A070 (COLUMBIA RIVER AT samples collected between 1993 - 2001 measured on 94/10/12.	GRAND C	COULE	EE) shows	1 excu	ırsions	beyond the crite	erion out of 48		
53	40952	5	N	COLUMBIA RIVER	NN57SG	471	18J9F7	47.9	55	118.975	Temperature		Water
and				U.S. Bureau of Reclamation unpublished data at station GCL (Grand Coulee Forebay) shows	s 95 excurs	sions l	beyond the	criteri	on out	of 359 days du	ring 2001.	EPA has the lead in	a temperature TMDL for the Columbia
and												Snakes Rivers that	is underway.
53	43029	5	Υ	FRANKLIN D. ROOSEVELT LAKE	NN57SG	975	5.08 28N	33E	08		Dissolved ox	ygen	Water
				3 excursuins beyond the criterion at Ecology ambient monitoring station 52B070 (RM 614.5)	during 199	1 91.							d on the 1996 and 1998 lists, but failed to
kk												be included in the 2	002/2004 listings. Re-added 02/08/05
53	43028	5	Υ	FRANKLIN D. ROOSEVELT LAKE	NN57SG	975 1	i.08 28N	33E	80		Temperature		Water
kk				3 excursions beyond the criterion at Ecology ambient monitoring station 52B070 (RM 614.5)	during 199	91.							d on the 1996 and 1998 lists, but failed to 002/2004 listings. Re-added 02/08/05
54	42410	5	N	LONG LAKE (RESERVOIR)			693 27N				2,3,7,8-TCDD		Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Mountain whitefish	fillet samp	oles co	ollected 6/1	8/2001	l.			Name changed on 3 LAKE (RESERVOIR	3/2/05 from SPOKANE RIVER to LONG R)kk
54	40939	5	N	LONG LAKE (RESERVOIR)	QZ45UE	63.9	956 27N	40E	15		Dissolved ox	ygen	Water
				Cusimano (2003) Draft - Hypolimnetic Dissolved Oxygen concentrations in Lake Spokane are	e depresse	ed due	to human	cause	d inter	nal and external	BOD loading.		
5 4	0045	_	v	LONG LAKE (DESERVOIR)	0745115	00.4	004 071	405	00		Tatal DODa		T
54	9015	5	Y	LONG LAKE (RESERVOIR) Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of			064 27N argemouth	-		lountain Whitefis	Total PCBs sh in 1993.		Tissue
						,	3	,					
54	9021	5	Υ	LONG LAKE (RESERVOIR)	QZ45UE	91.8	888 26N	42E	05		Total PCBs		Tissue
				Washington Dept. of Ecology, 1995. excursions beyond the National Toxic Rule criterion in e	dible tissue	e of B	rown Trout	in 199	93-94.				
54	36440	5	N	LONG LAKE (RESERVOIR)	QZ45UE	55.8	823 27N	39E	24		Total PCBs		Tissue
				Jack and Roose (2002) show exucrsions beyond the National Toxics Rule criterion in Largent and Yellow perch fillet samples collected in 2001.	nouth bass	s, Larg	jecale suck	er, Mo	untain	whitefish, Smal	lmouth bass,		

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter	Medium
				Basis						Remarks	
54	36441	5	N	LONG LAKE (RESERVOIR)	QZ45UE	81.693	27N	41E	22	Total PCBs	Tissue
				Jack and Roose (2002) show excursions beyond the National Toxics Rule criterion in Larger and Yellow perch fillet samples collected in 2001.	nouth bass,	Largeca	le sucke	er, Mou	untain whitefish, Sma	allmouth bass,	
54	42411	5	N	SPOKANE RIVER	QZ45UE	99.346	26N	42E	20	2,3,7,8-TCDD	Tissue
				Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet	samples co	ollected 9	/16/200	3.			
54	15188	5	N	SPOKANE RIVER	QZ45UE	96.37	26N	42E	17	Dissolved oxygen	Water
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows no excume assurements collected during September 2000.	ursions bey	ond the c	riterion	from c	ontinuous Hydrolab	WRIA changed fro	m 57 to 54. 11/16/04 -kk
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows excursi continuous Hydrolab measurements collected during August 2001.	ons beyond	the crite	rion froi	m a 7-c	day mean of minimu	m daily	
54	16853	5	N	SPOKANE RIVER	QZ45UE	106.23	25N	42E	04	Fecal Coliform	Water
				Hallock (2004). Dont of Ecology ambient station 54.4.120 shows 2 of 12 samples (16.7%) in	voor 2002 d	vcoodod	the nor	contilo	critorion		

Hallock (2004), Dept. of Ecology ambient station 54A120 shows 2 of 12 samples (16.7%) in year 2003 exceeded the percentile criterion.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 38 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 42 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 32 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 120 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 50 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 17 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
54	15183	5	N	SPOKANE RIVER	QZ45UE	46.321	27N	39E	20	Total Dissolv	ved Gas	Water
				Unpublished data from Little Falls Dam tailrace show the criterion was exceeded during Marc	ch-June 200	00.					A TMDL is underwa ECY/EAP 2003)	ay for total dissolved gas (Pickett,
54	15184	5	N	SPOKANE RIVER	QZ45UE	52.736	27N	39E	14	Total Dissolv	ved Gas	Water
				Unpublished data from Long Lake Dam tailrace show the criterion was exceeded during Mar	ch-June 20	00.					A TMDL is underwa ECY/EAP 2003)	ay for total dissolved gas (Pickett,
54	9027	5	Υ	SPOKANE RIVER	QZ45UE	19.589	28N	37E	33	Total PCBs		Tissue
				Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of	Walleye, S	mallmout	h Bass	, and K	okanee in 1993.			
54	9033	5	Υ	SPOKANE RIVER	QZ45UE	94.079	26N	42E	07	Total PCBs		Tissue
				Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of	Rainbow T	rout and I	Mounta	in Whit	efish in 1993.			
54	14385	5	N	SPOKANE RIVER	QZ45UE	96 37	26N	42E	17	Total PCBs		Tissue
				Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trou Mile Dam.								
54	14400	5	N	SPOKANE RIVER	QZ45UE	101.38	26N	42E	28	Total PCBs		Tissue
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Mountain whi 1999 at 7-Mile Bridge.	tefish, Larg	7 escale su	cker ar	nd Rain	bow Trout fillet samp	oles collected in	nWRIA changed fron	n 57 to 54. 11/16/04 -kk
55	41973	5	N	DEADMAN CREEK	MY92TJ	6.611	26N	43E	01	Ammonia-N		Water
				Spokane Conservation District data (submitted 4/29/2004), station DM-3 shows that 5 sample	es in 2001,	and 1 sai	mple in	2002 €	exceeded the criterio	n.		
55	41975	5	N	DEADMAN CREEK	MY92TJ	1.805	26N	43E	03	Ammonia-N		Water
				Spokane Conservation District data (submitted 4/29/2004), station DM-6 shows that 1 sample	e in 2001, a	and 1 sam	nple in 2	2002 ex	ceeded the criterion			
55	41976	5	N	DEADMAN CREEK	MY92TJ	0	27N	43E	33	Ammonia-N		Water
				Spokane Conservation District data (submitted 4/29/2004), station DM-7 shows that 2 sample	es in 2002	exceeded	I the cri	terion.				
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55C065 (Deadman Cr nr Mouth) between 1993 - 2001	shows 0	excursions	s beyor	nd the o	criterion out of 5 sam	ples collected		
55	41981	5	N	DEADMAN CREEK	MY92TJ	6.611	26N	43E	01	Dissolved ox	rygen	Water
				Spokane Conservation District data (submitted 4/29/2004), station DM-3 shows that 7 sampleast one exceedance in each of these years.	es collected	d in years	2001 a	ınd 200	2 exceeded the crite	erion with at		

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WRIA	Listing ID Cate	gory 9	98 List?	Waterbody Name	Location I	nformatio	n		Parameter	Medium
				Basis					Remarks	
55	8442	5	Y	DRAGOON CREEK Juul, 1991, high fecal coliform values were measured at the Spokane County Border on 10/	GL94EJ 15/90 and 2	31.342 /6/91. (1			Fecal Coliform rsions in 1991).	Water
55	42597	5	N	LITTLE SPOKANE RIVER Hallock (2003), Dept. of Ecology ambient station 55B070 shows a total of 3 samples in year	JZ70CP rs 2002 and	1.086 2003 exc		: 05 iterion.	Dissolved oxygen This record flate process. 12/1	Water agged as being listed in 1996 due to roll up 4/04 -kk

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (LITTLE SPOKANE RIVER NEAR MOUTH) shows 3 excursions beyond the criterion out of 53 samples collected between 1993 - 2001 measured on these dates: 97/05/06, 97/06/03, 97/08/05,

Cusimano (2001) station LSK56.4 (Little Spokane River (LSK56.4)) shows 0 excursions beyond the criterion out of 12 samples collected between 06/00 - 09/00.

Cusimano (2001) station LSK56.4 (Little Spokane River (LSK56.4)) shows 0 excursions beyond the criterion out of 12 samples collected between 06/00 - 09/00.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (LITTLE SPOKANE RIVER NEAR MOUTH) shows 3 excursions beyond the criterion out of 53 samples collected between 1993 - 2001 measured on these dates: 97/05/06, 97/06/03, 97/08/05.

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Medium Remarks
55	16861	5	N	LITTLE SPOKANE RIVER	JZ70CP	1.086	26N	42E	05	Fecal Colifor	rm Water
				Hallock (2004), Dept. of Ecology ambient station 55B070 shows 2 of 12 samples (16.7%) in	year 2003 e	exceeded	the per	centile	criterion.		Changed from Category 1 to Category 5 due to new information, 01/10/05 -kk.
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 8 samples collected			ometric	mean	of 62 does not excee	d the criterion	momaton. 01/10/03 KK.
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 12 samples collect			ometric	mean	of 22 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 12 samples collect			ometric	mean	of 22 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 19 samples collect			ometric	mean	of 24 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 9% of the samples does not exceed the percentile criterion from 11 samples collect			ometric	mean	of 38 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 6 samples collected			ometric	mean	of 41 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 12 samples collect			ometric	mean	of 38 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 14 samples collect			ometric	mean	of 18 does not excee	d the criterion	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 55B070 (Little Spokane R. near and that 0% of the samples does not exceed the percentile criterion from 3 samples collected			ometric	mean	of 28 does not excee	d the criterion	
55	9051	5	Υ	LITTLE SPOKANE RIVER	JZ70CP	3.898	26N	42F	04	Total PCBs	Tissue
	0001	J	•	Washington Dept. of Ecology, 1995. excursions beyond the National Toxics rule criterion in					-	. 5.0 500	110040
				Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Mountain whi	tefish fillet s	amples c	ollected	in 199	96.		
55	15924	5	N	LITTLE SPOKANE RIVER	JZ70CP	14.329	26N	43E	06	Turbidity	Water

Hallock, 2002. shows 3 excursions beyond the criterion out of 11 samples collected between 1992 and 2001 derived by the difference between the upstream

station 55B200 (Little Spokane @ Chattaroy) and the downstream station 55B082 (Little Spokane R abv Dartford).

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WRIA	Listing ID Cat	egory	98 List?	Waterbody Name Basis	Location I	nformati	on			Parameter	M Remarks	ledium
											romano	
55	6325	5	N	SACHEEN LAKE	544MNG	31N	43E	35		Fecal Colifor	m W	/ater
Fecal				Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian wa Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian wa	termilfoil).K Blue-green	ennedy	Engine	ers, 199	91.	·	Control measures und aquatic herbicides, wa	Clean Lakes Restoration Project: lerway based on the Phase I study - ttershed nutrient management, septic level regulation, public education.
rodi												eviously submitted only in hardcopy nent is listed as Category 5 based on
55	6367	5	N	SACHEEN LAKE	544MNG	31N	43E	35		Total Phospi	norus W	/ater
				Completed Phase I State Clean Lakes Restoration Project in 1991 - Problems Encountered: recycling, tributary nutrient inputs, fecal coliform bacteria, aquatic macrophytes (Eurasian wa						osphorus	Control measures und aquatic herbicides, wa	Clean Lakes Restoration Project: lerway based on the Phase I study - tershed nutrient management, septic level regulation, public education.
55	42356	5	N	UNNAMED CREEK (AT HWY 27)	UNK000	0	26N	43E	03	Ammonia-N	w	/ater
				Spokane Conservation District data (submitted 4/29/2004), station DM-6C shows that 1 same	ole in 2001,	and 1 s	ample	in 2002	exceeded the criterio	on.		
55	42354	5	N	UNNAMED CREEK (SPRING NEAR KAISER OUTFALL)	UNK000	0	26N	43E	03	Ammonia-N	w	/ater
				Spokane Conservation District data (submitted 4/29/2004), station DM-6A shows that 1 samples of the conservation of the conser	ole in 2001,	and 1 s	ample	in 2002	exceeded the criterio	on.		
55	42359	5	N	UNNAMED CREEK (SPRING NEAR KAISER OUTFALL)	UNK000	0	26N	43E	03	Dissolved ox	kygen W	/ater
				Spokane Conservation District data (submitted 4/29/2004), station DM-6A shows that 5 sampleast one exceedance in each of these years.	oles collecte	ed in yea	ars 200	1 and 20	002 exceeded the cr	iterion with at		
56	41977	5	N	HANGMAN CREEK	TD36NP	90.798	3 20N	46E	29	Ammonia-N	w	/ater
				Spokane Conservation District data (submitted 4/29/2004), station HCStateline shows that 2	samples in	1994, a	ind 14 s	samples	in 1995 exceeded th	ne criterion.		
56	41978	5	N	HANGMAN CREEK	TD36NP	48.284	1 22N	44E	16	Ammonia-N	w	/ater
				Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows that	3 samples i	n 1996,	and5 s	amples i	in 1997 exceeded th	e criterion.		
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Brasamples collected between 1993 - 2001	adshaw Roa	ad) shov	vs 0 ex	cursions	beyond the criterion	out of 10		

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WRI	A Li	isting ID Cate	gory	98 List?	Waterbody Name	Location In	formation				Parameter		Medium
					Basis							Remarks	
56	;	41985	5	N	HANGMAN CREEK	TD36NP	90.798	20N 4	46E 2	29	Dissolved or	cygen	Water
					Spokane Conservation District data (submitted 4/29/2004), station HCStateline(99) shows the	at 1 sample	collected	in the ye	ear 200	01 exceeded the cr	iterion.		gory 2 to Category 5 on 01/21/05 due to isting ID 41986 (cat 2)kk
												Removed name of o	data submitter. 11/23/04 -kk
56	;	41987	5	N	HANGMAN CREEK	TD36NP	48.284	22N 4	44E -	16	Dissolved or	cygen	Water
					Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw(99) shows to	nat 1 sampl	e collecte	d in the	year 20	001 exceeded the o	criterion.		
					Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows that with at least one exceedance in each of these years.	' samples c	ollected ir	n years 1	1996 ar	nd 1997 exceeded	the criterion		
56	;	6726	5	Y	HANGMAN CREEK	TD36NP	84.46	20N 4	45E -	13	Fecal Colifor	rm	Water
Par					Carey, 1989, 2 excursions beyond the criterion at RM 53.82 on 8/30/88 and 8/31/88.								le in hardcopy format. The water category 5 based on the 1998 303(d)

assessment.

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WRIA	Listing ID Catego	ry 98 L	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
56	16862 5	N	HANGMAN CREEK Hallock (2004), Dept. of Ecology ambient station 56A070 shows 2 of 12 samples (16.7%) in	TD36NP year 2003 e	0.573 exceeded		42E centile		Fecal Colifo	orm	Water
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 12% of the samples exceeds the percentile criterion from 8 samples collected during 200		a geomet	ric mea	n of 12	2 does not exceed th	ne criterion and	Ė	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 9% of the samples does not exceed the percentile criterion from 11 samples collected do			ric mea	n of 22	2 does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 38% of the samples exceeds the percentile criterion from 13 samples collected during 19		a geomet	ric mea	n of 67	7 does not exceed th	ne criterion and	t	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 17% of the samples exceeds the percentile criterion from 12 samples collected during 19	,	a geomet	ric mea	n of 50) does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 27% of the samples exceeds the percentile criterion from 11 samples collected during 19		a geomet	ric mea	n of 9′	1 does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 0% of the samples does not exceed the percentile criterion from 6 samples collected during the collected		a geomet	ric mea	n of 5′	1 does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 20% of the samples exceeds the percentile criterion from 10 samples collected during 19		a geomet	ric mea	n of 44	4 does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 0% of the samples does not exceed the percentile criterion from 2 samples collected during the collected		a geomet	ric mea	n of 10	does not exceed th	ne criterion and	d	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (Hangman Cr. at Spoka that 12% of the samples exceeds the percentile criterion from 8 samples collected during 198	,	a geomet	ric mea	n of 46	6 does not exceed th	ne criterion and	d	
56	16863 5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Fecal Colifo	orm	Water
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Bracriterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected and the collection of the samples of the percentile criterion from 9 samples collected and the collection of the samples of the samples of the samples of the collection of the samples			a geo	metric	mean of 62 does no	t exceed the		
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A200 (Hangman Creek @ Bracriterion and that 0% of the samples does not exceed the percentile criterion from 3 samples				metric	mean of 41 does no	t exceed the		
56	41992 5	N	HANGMAN CREEK	TD36NP	90.798	20N	46E	29	Fecal Colifo	orm	Water
			Spokane Conservation District data (submitted 4/29/2004), station HCStateline shows 1 of 6 19 samples (15.8%) exceeded the percentile criterion in 1995.	samples (1	6.7%) ex	ceeded	the pe	ercentile criterion in	1994 and 3 of		
56	41993 5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Fecal Colifo	orm	Water

Spokane Conservation District data (submitted 4/29/2004), station HCBradshaw shows a geometric mean of 106.5 exceeded the criterion in 1996; 3 of 13 samples (23.1%) exceeded the percentile criterion in 1996; and 1 of 11 samples exceeded the percentile criterion in 1997.

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WRIA	Listing ID Catego	ory S	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
											rtomanto	
56	11391 5	5	Υ	HANGMAN CREEK	TD36NP	0.573	25N	42E	23	pН		Water
				Hallock (2004), Dept. of Ecology ambient station 56A070 shows that 2 of 29 samples exceed	the criterio	n.					High pH	
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 56A070 (HANGMAN CREEK AT collected between 1993 - 2001.	Γ MOUTH) :	shows 16	excurs	ions b	eyond the criterion o	ut of 47 sample	98	
				Cusimano (2001) station HNG72.4 (Hangman Creek (HNG72.4)) shows 0 excursions beyond	d the criteri	on out of	4 samp	les co	llected between 06/0	0 - 09/00.		
56	3736 5	5	Y	HANGMAN CREEK	TD36NP	0.573	25N	42E	23	Temperature	e	Water
				Dept. of Ecology unpublished data from core ambient monitoring station 56A070 (Hangman 0 25.4 for mid-week 12 July 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station beyond the criterion out of 47 samples collected between 1993 - 2001								
				Cusimano (2001) station HNG72.4 (Hangman Creek (HNG72.4)) shows 2 excursions beyon	nd the criter	ion out of	4 sam	ples c	ollected between 06	6/00 - 09/00 .		
56	40942 5	5	N	HANGMAN CREEK	TD36NP	48.284	22N	44E	16	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 1 out of 16 samples and high flow	turbidity ex	cursions	in 14 o	ut of 2	3 samples.			
56	41979 5	5	N	LITTLE HANGMAN CREEK	DB09ZX	0.258	20N	45E	13	Ammonia-N		Water
				Spokane Conservation District data (submitted 4/29/2004), station LHC-Tekoa shows that 12	2 samples ir	n 1994, ar	nd 3 sa	mples	in 1995 exceeded th	e criterion.		
56	41994 5	5	N	LITTLE HANGMAN CREEK	DB09ZX	0.258	20N	45E	13	Fecal Colifo	rm	Water
				Spokane Conservation District data (submitted 4/29/2004), station LHC-Tekoa shows 1 of 6 samples (36.8%) exceeded the percentile criterion in 1995.	samples (10	6.7%) exc	eeded	the pe	rcentile criterion in 1	994 and 7 of 1	9	
56	40940 5	5	N	LITTLE HANGMAN CREEK	DB09ZX	0	20N	45E	24	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 7 out of 19 samples and high flow	turbidity ex	cursions	in 6 ou	t of 10	samples.			
56	40941 5	5	N	RATTLERS RUN CREEK	OS64LX	0	22N	44E	16	Turbidity		Water
				Spokane CD (1999) shows low flow turbidity excursions in 7 out of 41 samples and high flow	turbidity ex	cursions	in 6 ou	t of 10	samples.			
56	41990 5	5	N	ROCK CREEK	HW71ES	11.615	23N	44E	23	Dissolved o	xygen	Water
				Spokane Conservation District data (submitted $4/29/2004$), station RC-Jackson shows that 8 with at least one exceedance in each of these years.	samples co	ollected ir	years	1995 a	and 1997 exceeded t	he criterion		

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis		Remarks	
56	41996	5	N	ROCK CREEK	HW71ES 11.615 23N 44E 23	Fecal Coliform	Water
				Spokane Conservation District data (submitted 4/29/2004), station RC-Jackson shows 2 of 7 samples (32.0%) exceeded the percentile criterion in 1995; 2 of 14 samples (14.3%) exceed exceeded the percentile criterion in 1997.	1 \ /	•	
56	40943	5	N	ROCK CREEK	HW71ES 11.615 23N 44E 23	Turbidity	Water
				Spokane CD (1999) shows low flow turbidity excursions in 6 out of 44 samples and high flow	v turbidity excursions in 46 out of 63 samples.		
57	17482	5	N	LIBERTY LAKE	WM44TL 25N 45E 22	4,4'-DDE	Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Bro	own trout collected in 2001.		
57	17484	5	N	LIBERTY LAKE	WM44TL 25N 45E 22	Total PCBs	Tissue
				Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Bro	own trout collected in 2001.		
57	6358	5	Υ	NEWMAN LAKE	572HJX 26N 45E 11	Total Phosphorus	Water
		-		Completed Phase I State Clean Lakes Restoration Project in 1988 - Problems Encountered:		•	II State Clean Lakes Restoration Project

inputs, sediment phosphorus recycling, low transparency. Funk and Moore, 1988.

in

1995: Control measures implemented based on the Phase I Study - phosphorus precipitation/inactivation, hypolimnetic aeration, watershed nutrient management(stream bank fencing, septic system management, ordinance

Spokane County adopted a 'Comprehensive Plan for Development for Storm water Control in the Newman Lake Watershed '(prepared by Douglas Robison and William Funk at WSU) in Feb. 1997. An alum injection system was installed in conjunction with the hypolimnetic aerator diffuser

development), public education.

ports in 1997.

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium		
57	11400	5	N	SPOKANE RIVER	QZ45UE	154.28 5	25N	46E	06	Dissolved o	xygen	Water	
				Hallock (2003), Dept. of Ecology ambient station 57A150 shows a total of 4 samples in years	s 2002 and 2	•	eded	the cri	terion.				
				Cusimano (2001) station 57A150 (Spokane R. at Stateline Bridge) shows 3 excursions beyo	nd the criter	ion out o	8 sam	nples o	collected between 06	8/00 - 09/00.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 57A150 (SPOKANE RIVER AT 63 samples collected between 1993 - 2001 measured on these dates: 00/08/06, 93/08/04, 93							f		
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursion continuous Hydrolab measurements collected during August 2001.	unpublished data from the Spokane River TMDL at RM 96 shows excursions beyond the criterion from a 7-day mean of minimum daily lab measurements collected during August 2001.								
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursion collected during 16-18 August 1999.	ns beyond th	ne criterio	n from	contir	nuous Hydrolab mea	surements			
57	15187	5	N	SPOKANE RIVER	QZ45UE	118.88 8	25N	43E	18	Dissolved o	xygen	Water	
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 74.8 shows excursi continuous Hydrolab measurements collected during August 2001.	ons beyond	•	ion fro	m a 7-	day mean of minim	um daily			
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 74.4 shows no excume assurements collected during 24-25 August 1999.	ursions beyo	ond the c	iterion	from	continuous Hydrolab	1			
				Cusimano (2001) station SPK73.4 (Spokane River (SPK73.4)) shows 0 excursions beyond	the criterion	out of 4	sampl	es coll	ected between 06/	00 - 09/00 .			
57	17523	5	N	SPOKANE RIVER	QZ45UE	129.11 3	25N	43E	02	Dissolved o	xygen	Water	
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 79.9 shows excursi continuous Hydrolab measurements collected during August 2001.	ons beyond	U	ion fro	m a 7-	day mean of minim	um daily			

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******* =	ioting ib cate	90.,	00 2.00.	Valorizedy Name	Location		20011			raramotor	Modium
				Basis							Remarks
57	3737	5	N	SPOKANE RIVER	QZ45UE	154.: 5	28 25N	46E	06	Temperature	e Water
				Dept. of Ecology unpublished data from core ambient monitoring station 57A150 (Spokane F of 25.9 for mid-week 14 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring 8 excursions beyond the criterion out of 63 samples collected between 1993 - 2001	R. at Statelir Station 57A	ne Brid A150 (S	dge) show SPOKANE	s a 7-d RIVEF	ay mean of daily ma R AT STATELINE BI	ximum values RIDGE) shows	from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with
				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursion collected during 16-17 August 1999.	ns beyond t	the crite	erion from	contin	uous Hydrolab mea	surements	supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Coeur d'Alene
				U.S.Geological Survey data from NWIS database station 12419500 (Spokane R abv Liberty out of 10 samples collected between 01/93 - 10/00.	Br. Nr Otis	Orcha	ırd, WA) sh	nows 1	excursions beyond	the criterion	upstream. However, there is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits out to the data of the dat
				Cusimano (2001) station 57A150 (Spokane R. at Stateline Bridge) shows 6 excursions beyon	and the crite	erion o	ut of 8 sa	mples	collected between	06/00 - 09/00 .	limits, such as from dams or point source discharges located on the river. This river also flows into tribal jurisdiction. Until
501//515				Dept. of Ecology unpublished data from the Spokane River TMDL at RM 96 shows excursion	ns beyond t	he crite	erion from	a 7-da	y mean of maximum	daily	further study is done, it is not possible to rule out that human factors aren't contributing to the problem. (Pickett,
ECY/EAP,				continuous Hydrolab measurements collected during August 2001.							2003) (Parodi, ECY/ERO, 2003)
57	8201	5	Y	SPOKANE RIVER	QZ45UE	134.	.53 25N	44E	04	Total PCBs	Tissue
				Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of	Rainbow T	7 rout in	1993.				
57	8202	5	Y	SPOKANE RIVER Washington Dept. of Ecology, 1995. excursions beyond the National Rule criterion in multiple	QZ45UE e samples o					Total PCBs	Tissue
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Mountain whit 1999 at Greene Street.	efish, Large	escale	sucker an	d Rainl	oow Trout fillet samp	oles collected in	1
57	8207	5	Υ	SPOKANE RIVER	QZ45UE	132.	89 25N	44E	05	Total PCBs	Tissue
				Washington Dept. of Ecology, 1995. excursions beyond the National Rule criterion in multiple samples of edible tissue of Rainbow Trout, White Crappie, and Mountain Whitefish i	n 1993-94.	7					
				Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trou	t fillet samp	oles co	llected in	1996 at	Trent Rd.		
57	14397	5	N	SPOKANE RIVER	QZ45UE	152.	35 25N	45E	01	Total PCBs	Tissue
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Largescale stateline.	ucker and R	3 Rainbo	w Trout fill	et sam	ples collected in 199	9 at the	
57	14398	5	N	SPOKANE RIVER	QZ45UE	136.	.58 25N	44E	03	Total PCBs	Tissue
				Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Largescale st Ferry Site Park.	ucker and R	4 Rainbov	w Trout fill	et sam	ples collected in 199	9 at the Plante	

Location Information

Medium

Parameter

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WRIA	Listing ID Ca	ategory	98 List?	Waterbody Name Basis	Location I	nformat	ion			1	Parameter	Medium Remarks
57	14402	5	N	SPOKANE RIVER	QZ45UE	9					Total PCBs	s Tissue
				Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trou Monroe Street Dam.	ıt and Mou	ntain wh	nitefish fil	let sam	ples co	ollected in 1996	3 above	
58	9062	5	Υ	FRANKLIN D. ROOSEVELT LAKE	NN57SG	48118	BF1G2	48.56	5	118.125	Mercury	Tissue
				Johnson and Serdar, 1991., excursions beyond the National Toxic Rule criterion in Largesc in 9/89.;	ale Sucker	muscle	tissue sa	ampled	just so	outh of Colville	River mouth	
58	37904	5	N	MCGAHEE CREEK	RZ61OA	0	36N	35E	15		Dissolved o	oxygen Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st criterion from measurements collected in 1996, 1997 and 1999.	ation name	ed 'McG	ahee Cre	eek G S	' show	excursions be	yond the	A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.
												This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
58	21731	5	N	SHERMAN CREEK	ZX69DW	2.607	36N	37E	28		Temperature	re Water
				Colville National Forest Temperature TMDL Study unpublished data show a 7-day mean of collected in 2002.	laily maxim	ıum valu	ies of 19.	9 from	continu	lous measurer	ments	This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st from measurements collected in 1994.	ation name	ed 'Sher	man Site	1' show	v 1 exc	cursion beyond	the criterion	n
58	37925	5	N	SHERMAN CREEK, S.F.	ZZ61AF	0.97	36N	36E	32		Dissolved of	oxygen Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st criterion from measurements collected in 1994, 1998, 1999, 2000 and 2001.	ation name	ed 'S FK	Sherma	n (G.S.))' show	excursions be	eyond the	A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential.
												This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
59	6383	5	N	CHEWELAH CREEK	QM52AR	0	32N	40E	23		Temperature	re Water
		-		Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean		_		-			•	
these				station CHEW10 (LB @ CHEW10 gaging station).								data are not in a published study based on input from S. Butkuskk

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WRIA	Listing ID Cate	gory	98 List?	Waterbody Name Lo Basis	ocation In	formation				Parameter	Medium Remarks
59	8487	5	Y	COLVILLE RIVER Pelletier, 1997., 3 excursions beyond the criterion out of 8 samples (38%) at RM 11.2 during 8	H01PX 8/94 to 11		36N	39E	31	рН	Water High pH
59 these	6377	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of the station located at RM 52.6 (LB Gary Weythman farm/3547 BetteridgeRd).	H01PX f daily ma					Temperature AUG-2000 at	
59 these	6378	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of station located at RM 34 (LB ds 10m Duncan Rd bridge xing).	H01PX f daily ma					Temperature JG-2000 at the	Water Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkuskk
59 these	6379	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of the station located at RM 28 (RB ds 10m RR bridge to NW Alloys-Addy).	H01PX f daily ma				-	Temperature AUG-2000 at	Water Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkuskk
59 these	6380	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of the station located at RM 18 (RB upstrm 35m Orin/Rice Rd bridge xing).	H01PX f daily ma					Temperature AUG-2000 at	Water Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkuskk
59 these	6381	5	N	COLVILLE RIVER Coots, 2002, shows a 7-day mean of daily maximum values of 21.9 for week ending 06-AUG-20 confl under bridge).	H01PX 2000 at the		-	-		Temperature ottonwood	Water Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkuskk
59 these	6382	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of the station located at RM 39 (LBar Plant).	H01PX f daily ma		-	-	_	Temperature AUG-2000 at	Water Was Coots 2002, but changed to represent the fact that data are not in a published study based on input from S. Butkuskk
59	6384	5	N	COLVILLE RIVER Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean of station CR16 (RB upstrm edge of 12 Mile Rd bridge).		42.917 ximum va			35 for week ending 06-A	Temperature AUG-2000 at	Water

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WRIA	Listing ID Categ	ory (98 List?	Waterbody Name Basis	Location Ir	nformatio	on			Parameter	Medium Remarks
59	6385	5	N	COLVILLE RIVER	DH01PX	25.804	35N	39E	21	Temperature	e Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean	of daily ma	aximum	values o	of 23.7	for week ending 07-	AUG-2000 at	Was Coots 2002, but changed to represent the fact that
111000				station CR20 (RB 20m ds MantzRickey Rd bridge xing).							data are not in a published study based on input from S. Butkuskk
59	6386	5	N	COLVILLE RIVER	DH01PX	14.872	36N	38E	26	Temperature	e Water
these				Unpublished data collected for planning the Colville Temperature TMDL shows a 7-day mean	of daily ma	aximum	values o	of 24.7	for week ending 05-	AUG-2000 at	Was Coots 2002, but changed to represent the fact that
шезе				station CR24 (RB 75m ds Greenwood Loop Rd xing).							data are not in a published study based on input from S. Butkuskk
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59A080 (Colville R abv Kettle Facollected between 1993 - 2001 measured on these dates: 00/08/07,	alls) shows	1 excurs	sions be	yond th	ne criterion out of 17	' samples	
59	6387	5	N	COLVILLE RIVER	DH01PX	81.689	31N	40E	23	Temperature	e Water
				Coots, 2002, shows a 7-day mean of daily maximum values of 20.9 for week ending 06-AUC	G-2000 at st	tation CF	R6 (RB u	ıpstm 1	I0m Waitts Lk Rd xii	ng in Valley).	
59	15925	5	N	COLVILLE RIVER	DH01PX	14.872	36N	38E	26	Turbidity	Water
				Hallock, 2002. shows 4 excursions beyond the criterion out of 12 samples collected between station 59A110 (Colville R @ Blue Creek) and the downstream station 59A080 (Colville R at			ived by t	the diffe	erence between the	upstream	
59	37967	5	N	COTTONWOOD CREEK	GT96PS	14.118	32N	41E	36	Temperature	water Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st criterion from measurements collected in 1992, 1997, 1999, 2000, 2001 and 2002.	ation name	ed 'Cottor	nwood D	1 Site	1' show excursions	beyond the	Murray, Dept. of Ecology, 2003 believes the high temperatures are due to natural conditions. The site has beaver ponds, a low gradient, open water and no tree
canopy.											
											This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
59	6388	5	N	LITTLE PEND OREILLE RIVER Coots, 2002, shows a 7-day mean of daily maximum values of 23 for week ending 06-AUG-2	YA89GE 2000 at stat	_		39E 355m c		Temperature e xing).	e Water

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59B070 (LITTLE PEND OREILLE AT HWY 395) shows 1 excursions beyond the criterion out of 6 samples collected between 1993 - 2001 measured on this date: 00/08/07.

1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21130304 on 9/1/76.

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WRIA	Listing ID Ca	tegory	98 List?	Waterbody Name Basis	Location Inf	ormatio	on			Parameter	Remarks	Medium
59	6389	5	N	MILL CREEK Coots, 2002, shows a 7-day mean of daily maximum values of 21.3 for week ending 09-AU	NO98KK G-2000 at sta	-		39E B upstri	_	Temperature bridge xing).	9	Water
59	37993	5	N	MILL CREEK, S.F.	TK01JT	1.105	36N	40E	15	Dissolved o	xygen	Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the scriterion from measurements collected in 1993, 1994, and 1995.	tation named	l 'S Fk I	Mill (d1)	Site 1's	show excursions b	eyond the	2002 suggests the condition caused by	ed by Albertus Wasson on 16 December low dissolved oxygen values are a natural y a lower atmospheric pressure at higher m temperatures that reduce the saturation
												part of a TMDL study that will determine ursions are due to natural conditions.
59	6390	5	Υ	STENSGAR CREEK	QE64YM	0	33N	39E	24	Temperature)	Water
				Coots, 2002, shows a 7-day mean of daily maximum values of 21.5 for week ending 03-AU	G-2000 at sta	tion ST	EN14 (F	RB Curt	is Ott's farm @ ga	ging station).		
59	6391	5	N	STRANGER CREEK	XA81YE	0.476	33N	39E	11	Temperature	e	Water
				Coots, 2002, shows a 7-day mean of daily maximum values of 21 for week ending 03-AUG-	2000 at station	on STR	N15 (LB	3 ds 10n	n of Marble Valley	Rd xing).		
60	6331	5	N	CURLEW LAKE	186HFR	38N	33E 2	8		Total Phosp	horus	Water
				Completed Phase I State Clean lakes Restoration Project in 1989 - Problems Encountered: recycling, low transparency, tributary nutrient inputs. Juul, 1988.	Blue-green a	lgae, lo	w dissol	ved oxy	/gen, sediment ph	osphorus	1994;Control meas Study - development plan (focus on lives	I State Clean Lakes restoration Project in ures implemented based on the Phase I nt of a watershed nutrient management stock, timber harvesting and on-site septic nt), lake level regulation, public
educatio	n.										,	,,
60	38056	5	N	EAST DEER CREEK	EH01FV	0.13	39N	36E	26	Dissolved o	xygen	Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the s from measurements collected in 1994, 1995, 1996, 1999, and 2002.	tation named	l 'E Dee	er at Inta	ike' sho	w excursions beyo	and the criterion	2002 suggests the condition caused by	ed by Albertus Wasson on 16 December low dissolved oxygen values are a natural y a lower atmospheric pressure at higher m temperatures that reduce the saturation

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This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.

	J	0 ,		Basis								Remarks
60	38061	5	N	FISHER CREEK TO	60ZC	0	40N	37E	33		рН	Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the static from 11 measurements collected in 1995-1997.	on named	d 'Fisher	Creek'	show :	3 excu	ırsions beyond t	he criterion	High pH. According to Murray (Dept. of Ecology, ERO, 2003), the slightly elevated pH is probably due to a natural condition. The sampling station is in an area of marble geology which can have a significant effect on stream pH. This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
60	11419	5	N		A16AE						Dissolved ox	kygen Water
				Hallock (2003), Dept. of Ecology ambient station 60A070 shows a total of 4 samples in years 20	02 and 2	2003 exc	eeded	the crit	erion.			
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 60A070 (KETTLE RIVER NEAR BA samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/07/07, 94/08/03 97/09/10,								
60	3738	5	N	KETTLE RIVER QA	A16AE	18.145	38N	37E	16		Temperature	. Water
				Dept. of Ecology unpublished data from core ambient monitoring station 60A070 (Kettle R. near for mid-week 8 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 60A0 beyond the criterion out of 44 samples collected between 1993 - 2001								
60	8563	5	Υ	ST. PETER CREEK SH	198QR	0	38N	33E	24		Fecal Colifor	rm Water
				Colville National Forest (data submitted by Curry Jones of Epa on 11/22/95) station 21180212 (Percentile criterion and in 1992 2 of 5 (40%) exceeded the percentile criterion.	N.F.) sho	ows that	in 1991	1 of 7	(14.3%	%) samples exc	eeded the	
60	38119	5	N	ST. PETER CREEK, N.F.	A63HX	0	38N	33E	24		Fecal Colifor	rm Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the static cfu/100mL from 5 samples collected in 1992. Colville National Forest data (submitted by Albertu Peter Site 1' show a geometric mean of 47 cfu/100mL from 4 samples collected in 1995.								
61	14404	5	N	COLUMBIA RIVER	N57SG	48117J	17C7	48.92	25	117.775	4,4'-DDD	Tissue
				Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multiple ficollected in 1984.	sh comp	osite of	edible t	issue c	of Brido	gelip sucker sar	nples	
61	14403	5	N	COLUMBIA RIVER N	N57SG	48117J	17 C 7	48.92	25	117.775	4,4'-DDT	Tissue
				Hopkins et al. 1985. show an excursion beyond the National Toxic Rule criterion in a multiple fi collected in 1984.	sh comp	osite of	edible t	issue c	of Brido	gelip sucker sar	nples	

Location Information

Medium

Parameter

WRIA Listing ID Category 98 List? Waterbody Name

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WRIA	Listing ID Cated	gory !	98 List?	Waterbody Name Basis	Location Ir	nformation				Parameter	Remarks	Medium
				Dabib							Remarks	
61	14406	5	N	COLUMBIA RIVER	NN57SG	48117J7C	7	48.925	117.775	ALPHA-BHC	;	Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple in 1984.	fish compos	site of edibl	e tissu	e of Brid	gelip sucker san	nples collected		
61	42809	5	N	COLUMBIA RIVER	NN57SG	1162.4 4 46	40N	40E 31	I	Dissolved o	xygen	Water
				Hallock (2003), Dept. of Ecology ambient station 61A070 shows a total of 3 samples in years	2001, 2002	2, and 2003	excee	eded the	criterion.			
61	11430	5	N	COLUMBIA RIVER	NN57SG	48117J70	7	48.925	117.775	Mercury		Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61A070 (COLUMBIA RIVER AT samples collected between 1993 - 2001	NORTHPO	ORT) shows	s 2 exc	cursions l	peyond the criter	rion out of 12		
61	14407	5	N	COLUMBIA RIVER	NN57SG	48117J70	7	48.925	117.775	Total PCBs		Tissue
				Hopkins et al. 1985. show excursions beyond the National Toxic Rule criterion in a multiple fin 1984.	sh composi	te of edible	tissue	of Bridg	elip sucker sam _l	oles collected		
61	11435	5	Υ	DEEP CREEK	FI39NU	0.176	40N	40E 34	ı	рН		Water
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61B070 (Deep Ck nr Mouth) sh between 1993 - 2001	ows 5 excur	rsions beyo	nd the	criterion	out of 14 sampl	es collected	Was WASWIS NN 1998 listkk	57SG Lower Route Address 1164.105 on
											High pH	
61	8575	5	Υ	DEEP CREEK, S.F.	CB96ZS	7.478	38N	41E 29)	Temperature	9	Water
				Rashin and Graber, 1992, 12 excursions beyond the criterion measured between 8/1/90 an	d 8/15/90.;						results reported as is continued from ?	rature measurements were taken, but single day maximums. Category 5 listing 1998 assessment based on multiple ontinuous monitoring.
61	8578	5	Υ	FRANKLIN D. ROOSEVELT LAKE	NN57SG	48117J7E	38	48.915	117.785	Dissolved o	xygen	Water
2.				2 excursions beyond the criterion at USGS station 12400520 (at Northport) on 7/19/90 and 9	/7/94.						This waterbody se	gment was incorreclty placed in Category
2.												a shows exceedances in two years, the in in Category 5. sb 3/28/05
61	8580	5	Y	FRANKLIN D. ROOSEVELT LAKE	NN57SG	48117J7E	38	48.915	117.785	Temperature	e	Water

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16 excursions beyond the criterion at USGS station 12400520 (at Northport) during 1990, 1991, 1993 and 1994.

WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Me Remarks	edium
61	8582	5	N	MEADOW CREEK	XH79GB	1.312	38N	41E	33	рН	Wa	ater
				2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Cur 5/2/91.	rry Jones o	f EPA on	11/22/	95) at	station 21140201 on	9/11/90 and		
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st 22 measurements collected in 1992-2002.	tation name	ed 'Meado	ow' sho	w 4 ex	cursions beyond the	criterion from		
61	16873	5	N	ONION CREEK	JY70VB	0.268	39N	39E	23	Fecal Colifo	orm Wa	ater
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61C070 (Onion Creek near Nort and that 0% of the samples does not exceed the percentile criterion from 2 samples collected Station 61C070 (Onion Creek near Northport) shows a geometric mean of 13 does not exce criterion from 8 samples collected during 1995.	d during 19	94.; Hal	lock (2	001) D	ept. of Ecology Ambi	ient Monitoring		
61	11448	5	N	ONION CREEK	JY70VB	0.268	39N	39E	23	рН	Wa	ater
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 61C070 (Onion Cr nr Northport) between 1993 - 2001	shows 3 e	xcursions	s beyor	nd the	criterion out of 10 sar	mples collected	d High pH	
61	38182	5	Υ	SMACKOUT CREEK	CZ33CZ	1.544	38N	41E	03	pН	Wa	ater
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st from 63 measurements collected in 1992-2002.	tation name	ed 'Smack	cout' sh	ow 16	excursions beyond t	the criterion	High pH	
				4 excursions beyond the criterion out of 39 samples collected by Colville National Forest (dat 21140202 on 9/11/90, 4/3/91, 9/5/91, and9/21/92.	ta submitte	d by Curr	y Jone	s of EF	PA on 11/22/95) at st	tation		
62	42165	5	N	BROWNS CREEK	GW43FI	4.431	34N	44E	23	Dissolved o	oxygen Wa	ater
				Kalispel Tribe data (submitted by John Gross on 3/15/04), station BRN2 shows 6 samples in	2002 and 6	sample:	s in 200	3 exc	eeded the criterion.			
62	42164	5	N	CALISPELL CREEK	PX05BC	8.389	32N	43E	01	Fecal Colifo	orm Wa	ater
CALISPI	=1.1			Kalispel Tribe data (submitted by John Gross on 3/15/04), station CAL1 shows that 2 of 4 said	mples (50.0)%) collec	cted in	2001 €	exceed the percentile	criterion.	Name changed from Ca	ALISPELL CREEK, S.F. to
CALISFI	ILL										CREEK on 01/28/05 pe	er Comment from Kalispel Tribekk
62	21766	5	N	CALISPELL CREEK, S.F.	PX05BC	17.139	32N	43E	26	Temperature	e Wa	ater
				Kalispel Tribe unpublished data at station SFC1 (Steam crossing of Rd. 9205) show the max continuous measurements collected in 2002.	imum 7-da	y mean o	f daily	maxim	um values was 22.7	from		

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Kalispel Tribe of Indians unpublished data show 1 excursions beyond the criterion from instantaneous measurements collected on 17 July 2002 at station SFC1 (Steam crossing of Rd. 9205).

WRIA	Listing ID Car	tegory	98 List?	Waterbody Name	Location Ir	nformatio	on			Parameter	Medium
				Basis							Remarks
62	42159	5	N	CALISPELL CREEK, S.F.	PX05BC	10.025	32N	43E	12	Temperature	e Water
				Kalispel Tribe data (submitted by John Gross on 3/15/04), station DCLU shows between 12/ of daily maximum value exceeded the temperature criterion for this waterbody; the maximum period ending August 1, 2003.							un .
62	42160	5	N	CALISPELL CREEK, S.F.	PX05BC	1.779	33N	43E	25	Temperature	e Water
				Kalispel Tribe data (submitted by John Gross on 3/15/04), station TWIGG shows between 6/daily maximum value exceeded the temperature criterion for this waterbody; the maximum ending August 2, 2003.	8/2003 and exceedance	11/12/20 during th	003 ther his perio	e were	97 days in which the 24.67° Celcius for th	e 7-day mean one 7-day period	of 1
62	38210	5	N	CEDAR (IONE) CREEK	AS86PH	0.289	38N	43E	31	Dissolved or	xygen Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the s from measurements collected in 1994, 1995 and 1996.	tation name	ed 'Ione J	lim/Ceda	ar' sho	w excursions beyond	d the criterion	A rationale submitted by Albertus Wasson on 16 December 2002 suggests the low dissolved oxygen values are a natural condition caused by a lower atmospheric pressure at higher elevations and warm temperatures that reduce the saturation potential. This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions.
62	38212	5	N	CEDAR (IONE) CREEK	AS86PH	0.289	38N	43E	31	Temperature	e Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the s from measurements collected in 1992, 1994 and 1995.	tation name	ed 'Ione J	lim/Ceda	ar' sho	w excursions beyond	d the criterion	
62	42166	5	N	HALFMOON CREEK	JC56XK	2.532	34N	44E	34	Dissolved or	xygen Water
				Kalispel Tribe data (submitted by John Gross on 3/15/04), station HFM1 shows 3 samples in	2002 and 5	5 sample	s in 200	3 exce	eded the criterion.		
62	21710	5	N	LECLERC CREEK, EAST BRANCH	CG54YF	0	35N	44E	17	Temperature	e Water
				Kalispel Tribe unpublished data at station EBL1 (First Bridge crossing and Rd. 3503) show the continuous measurements collected in 2002.	ne maximun	m 7-day r	mean of	daily n	naximum values was	s 19.9 from	
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the s from measurements collected in 1992.	tation name	ed 'E Br L	eclerc'	show 1	excursion beyond the	he criterion	

Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instantaneous measurements collected in 2002 at station EBL1 (First Bridge crossing and Rd. 3503).

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WRIA	Listing ID Categ	ory 98 Li	t? Waterbody Name Basis	Location I	nformation	n			Parameter	Medium Remarks
62	21711	5 N	LECLERC CREEK, EAST BRANCH Kalispel Tribe unpublished data at station EBL3 (First bridge crossing S. of Rd. 1935/3521 is was 19.2 from continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from instance.		show the	maxim		day mean of daily ma		
62	21715	5 N	bridge crossing S. of Rd. 1935/3521 intersection). LITTLE MUDDY CREEK Kalispel Tribe unpublished data at station LIM1 (Stream crossing of Rd 2705) show the max measurements collected in 2002.	ZE63VQ ximum 7-day	0 mean of	37N daily m	43E naximui	06 m values was 18.1 f	Temperature	S
62	21717	5 N	Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from inscrossing of Rd 2705). LOST CREEK Kalispel Tribe unpublished data at station LOS1 (Stream crossing Hwy 20) show the maxim measurements collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the from measurements collected in 1992 and 1994.	EK49EK num 7-day m	0 ean of da	36N ily max	43E kimum v	22 values was 20.9 fror	Temperature m continuous	
62	21866	5 N	Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from inscrossing Hwy 20). MILL CREEK Kalispel Tribe of Indians unpublished data show 4 excursions beyond the criterion from inst crossing of Leclerc Rd. N. and Rd. 1200). Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the	SM32JD antaneous n	0.302 neasurem	35N ents co	44E ollected	33 I in 2002 at station M	Dissolved o	xygen Water
to			measurements collected in 1994.							statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues be impaired. (Braley, ECY/WQP, 2003)
62	43357	5 N	PEND OREILLE RIVER USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics R at location (Near East Bank).	DS54SI Rule criterion	110.96 1 in Brown				Aldrin ed on 07/23/200	Tissue
62 24-	8609	5 Y	PEND OREILLE RIVER Pelletier and Coots, 1990. 4 excursions beyond the criterion out of 7 samples at RM 39 in 7	DS54SI 1988.	59.673	37N	43E	05	рН	Water Multiple excursions beyond the criterion sampled within a hour period are considered a single excursion per Water Quality Program Policy.

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WRIA	Listing ID Ca	ategory	98 List?	st? Waterbody Name Basis			1			Parameter	Medium Remarks		
62 24-	8611	5	Y	PEND OREILLE RIVER Pelletier and Coots, 1990. 4 excursions beyond the criterion out of 7 samples at RM 48 in 19		71.559	36N	43E	10	рН	Water Multiple excursions beyond the criterion sampled within a hour period are considered a single excursion per Water Quality Program Policy.		
62 24-	8613	5	Y	PEND OREILLE RIVER Pelletier and Coots, 1990. 5 excursions beyond the criterion out of 7 samples at RM 62 in 198	DS54SI 88.	96.427	34N	43E	12	рН	Water Multiple excursions beyond the criterion sampled within a hour period are considered a single excursion per Water Quality Program Policy.		
tempera condition		5	Y	Pend Oreille PUD, 2002., station (Pend Oreille River near Newport) shows between 4/4/2002 daily maximum value exceeded the temperature criterion for this waterbody required by WAC period was 22.6 °Celcius for the 7-day period ending July 30, 2002. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 62A150 (PEND OREILLE RIVER samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/08/02, 95/08/07. Pelletier and Coots, 1990. Multiple excursions beyond the criterion at RM 88 in 1988.	and 8/5/20 173-201A-1 AT NEWP	30 paraç ORT) sh	were 2 graph (0 occu 79); the	rences in which e maximum exc ions beyond th	ceedance for this	The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17		
62	11452	5	N	PEND OREILLE RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 62A090 (PEND OREILLE AT ME samples collected between 1993 - 2001 measured on these dates: 00/08/07, 94/08/03, and 98		41.694 LS) shov				Temperature criterion out of 34	The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17 December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A		

TMDL is underway that will help determine natural conditions (Braley, 4/05))

temperature

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temperature

conditions.

allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A

TMDL is underway that will help determine natural

(Braley, 4/05))

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name	Location Ir	nformation				Parameter	Medium
				Basis							Remarks
62	42515	5	N	PEND OREILLE RIVER	DS54SI	26.027	40N	43E	10	Temperature	e Water
				Kimbrough, R.A., et.al., 2002, station (Boundary Dam forebay) shows between 1/1/2002 an daily maximum value exceeded the temperature criterion for this waterbody required by WA period was 23 °Celcius for the 7-day period ending July 30, 2002.							The Pend Oreille River originates from surface-level outflows from a large natural lake that may cause temperature criteria exceedances under natural conditions. A rationale with supporting documentation submitted by Lincoln Loehr on 17
				Kimbrough, R.A., et.al., 2001, station (Boundary Dam forebay) shows between 1/1/2001 and aily maximum value exceeded the temperature criterion for this waterbody required by WA period was 23.4 °Celcius for the 7-day period ending August 18, 2001.							December 2002 suggests the high temperature values are a natural condition caused by effects of Lake Pend Oreille upstream. However, there currently is insufficient data to rule out the possibility that human activities have increased
				Kimbrough, R.A., et.al., 2000, station (Boundary Dam forebay) shows between 1/1/2000 an daily maximum value exceeded the temperature criterion for this waterbody required by WA period was 24 °Celcius for the 7-day period ending August 14, 2000.							water temperatures over natural conditions in excess of allowable limits, such as from dams or point source discharges located on the river. This river also flows into Canada's and the Kalispell Tribe jurisdictions. A
tempera	ture										TMDL is underway that will help determine natural
conditio	ns.										(Braley, 4/05))
62	43539	5	N	PEND OREILLE RIVER	DS54SI	24.792	40N	43E	03	Temperature	e Water
				Kimbrough, R.A., et.al., 2002, station (Boundary Dam tailrace) shows between 1/1/2002 and maximum value exceeded the temperature criterion for this waterbody required by WAC17 was 22.7 °Celcius for the 7-day period ending August 1, 2002.							у
				Kimbrough, R.A., et.al., 2001, station (Boundary Dam tailrace) shows between 1/1/2001 and daily maximum value exceeded the temperature criterion for this waterbody required by WA period was 23.1 °Celcius for the 7-day period ending August 19, 2001.							
				Kimbrough, R.A., et.al., 2000, station (Boundary Dam tailrace) shows between 1/27/2000 at daily maximum value exceeded the temperature criterion for this waterbody required by WA period was 24 °Celcius for the 7-day period ending August 12, 2000.							
62	6287	5	N	PEND OREILLE RIVER	DS54SI	53.916	38N	43E	20	Total Dissol	ved Gas Water
				Pend Oreille PUD, 2003., data from station (Box Canyon Dam tailrace) show between 3/20/days.	2003 and 7/	7/2003 this	s waterb	oody ex	xceeded the criteri	on 66 of 102	
				Pend Oreille PUD, 2002., data from station (Box Canyon Dam tailrace) show between 3/28/days.	2002 and 8/	5/2002 this	s waterb	oody ex	xceeded the criteri	on 89 of 125	
				Unpublished data from U.S. Geological Survey shows 58 days exceed the criteria out of 91	days during	May-July 2	2000.				
62	42516	5	N	PEND OREILLE RIVER Kimbrough, R.A., et.al., 2002, data from station (Boundary Dam tailrace) show between 9/7.	DS54SI /2002 and 9/	24.792 30/2002 th				Total Dissol	ved Gas Water
				days.	2002 and 9/	55/2002 II	no wate	bouy	onsoudou ino onic	71.011 TO UI 24	
				Kimbrough, R.A., et.al., 2001, data from station (Boundary Dam tailrace) show between 8/2 days.	9/2001 and 9	9/30/2001	this wat	terbody	y exceeded the cri	terion 10 of 33	

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WRIA	Listing ID Cate	egory	98 List?	Waterbody Name Basis	Location I	nformatio	n			Parameter	Remarks	Medium
62	42517	5	N	PEND OREILLE RIVER Pend Oreille PUD, 2003., data from station (Box Canyon Dam forebay) show between 3/20/2 days. Pend Oreille PUD, 2002., data from station (Box Canyon Dam forebay) show between 4/8/20 days.			nis wate	erbody	exceeded the crite		ved Gas	Water
62	42518	5	N	PEND OREILLE RIVER Pend Oreille PUD, 2003., data from station (Pend Oreille River near Newport) show between 100 days. Pend Oreille PUD, 2002., data from station (Pend Oreille River near Newport) show between 119 days.			2003 th	nis wate	erbody exceeded th		ved Gas	Water
62	43383	5	N	PEND OREILLE RIVER USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Ru at location (Near East Bank).	DS54SI Ile criterion	110.96 1 in Brown				Total PCBs	02	Tissue
62 values	38297	5	N	RUBY CREEK Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st from measurements collected in 1994, 1996, 1997, 1998 and 1999. Kalispel Tribe of Indians unpublished data show 2 excursions beyond the criterion from instatup Rd. 2489 from intersection of HWY 20).		ed 'Ruby ((G.S.)'		xcursions beyond		A rationale submit 16 December 2002 are a natural cond pressure at higher reduce the saturation. This waterbody is p	Water ted by submitted by Albertus Wasson on a suggests the low dissolved oxygen ition caused by a high atmospheric elevations and warm temperatures that on potential. part of a TMDL study that will determine ursions are due to natural conditions.
62	21764	5	N	RUBY CREEK Kalispel Tribe unpublished data at station RUB2 (Intersection of Rd. 423 and 2489) show the continuous measurements collected in 2002. Kalispel Tribe of Indians unpublished data show no excursions beyond the criterion from inst (Intersection of Rd. 423 and 2489). Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st from measurements collected in 1996, 1997 and 1998.	antaneous	7-day me measurer	ean of o	collect	aximum values wa ed in 2002 at statio	on RUB2	e	Water
62	6727	5	Y	SKOOKUM CREEK Coots and Willms, 1991. 2 excursions beyond the upper criterion at station SK4 on 7/24/90 a	PT25LK and 8/14/90	-	32N	44E	03	Fecal Colifor	Data is only availab	Water ble in hardcopy format. The water s Category 5 based on the 1998

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WRIA	Listing ID C	ategory	98 List?	Waterbody Name	Location I	nformatio	n			Parameter		Medium
				Basis							Remarks	
62	6728	5	Υ	SKOOKUM CREEK	PT25LK	5.418	33N	44E	33	Fecal Colifo	rm	Water
				Coots and Willms, 1991. 2 excursions beyond the upper criterion at station SK5 on 7/24/90 a	ind 8/14/90							e in hardcopy format. The water Category 5 based on the 1998
62	38330	5	N	SULLIVAN CREEK	SN79HL	6.74	39N	44E	30	Dissolved of	xygen	Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st criterion from measurements collected in 1993, 1994, and 1996.	tation name	ed 'Sulliva	n Site 5	i Bridge	e' show excursions b	eyond the	2002 suggests the locondition caused by elevations and warm potential. This waterbody is pawhether or not excure Ecology staff review	d by Albertus Wasson on 16 December ow dissolved oxygen values are a natural a lower atmospheric pressure at higher a temperatures that reduce the saturation art of a TMDL study that will determine resions are due to natural conditions. ed this listing in 2003 for natural and rule out the possibility that human to the excursion(s).
62	38339	5	N	SULLIVAN CREEK, N.F.	TN12RP	0	39N	43E	23	Dissolved o	xygen	Water
				Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the st from measurements collected in 1996, 1999 and 2002.	tation name	ed 'N FK \$	Sullivan'	show	excursions beyond tl	he criterion	2002 suggests the locondition caused by elevations and warm potential.	d by Albertus Wasson on 16 December ow dissolved oxygen values are a natural a lower atmospheric pressure at higher a temperatures that reduce the saturation art of a TMDL study that will determine
												rsions are due to natural conditions.
62	42167	5	N	TACOMA CREEK	OE10VI	12.22	34N	43E	22	Dissolved of	xygen	Water
				Kalispel Tribe data (submitted by John Gross on 3/15/04), station TAC1 shows 2 samples in	2002 and 5	5 samples	in 2003	3 exce	eded the criterion.			
				Kalispel Tribe of Indians unpublished data show 3 excursions beyond the criterion from insta	ntaneous n	neasurem	ents co	llected	on 13 Nov 2002 at s	station TAC1		

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Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Tacoma Site 1' show excursions beyond the criterion from measurements collected in 1994 and 1996.

(First stream crossing Rd. 2389).

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